ORDER No. ACED030241C8

AUTOMOTIVE AFTERMARKET

CQ-DFX983N / CQ-DFX903N

Removable Full Front MP3 WMA CD Pla yer / Receiver with Full Dot Matrix Display and CD Changer Control

(CQ-DFX983N)

SPECIFICATIONS

Specifications*

General	
Power Supply	**12V DC (11V-16V), Test Voltage 14.4V, Negative Ground**
Tone Controls (Bass/Terble)	**Bass; ±12 dB at 100Hz Treble; ±12 dB at 10kHz**
Current Consumption	**Less than 2.5A / (CD mode; 0.5W 4 -Sperker)**
Maximum Power Output	**50W×4 (at 4 Ω)**
Power Output	**22W×4 (DIN45 324,at 4 Ω)**
Speaker Impedance	**4-8 Ω**
External Input Impedance	**10 Ω (AUX IN)**
External Input Sensitivity	**Max. 2V (AUX IN)**
Preout	**5V/ 60 Ω (CQ-DFX983N) 2.5V/ 200 Ω (CQ-DFX903N)**
Subwoofer-out	**5V/ 60 Ω (CQ-DFX983N) 2.5V/ 200 Ω (CQ-DFX903N)**
FM Stereo Radio	
Frequency Range	**87.5-108MHz**
Usable Sensitivity	**6 dB/ μ V (S/N 30dB)**
Stereo Separation	**35dB (1kHz)**
MW Stereo Radio	
Frequency Range	**531-1,602kHz**
Usable Sensitivity	**28 dB/ μ V (S/N 20dB)**
LW Stereo Radio	
Frequency Range	**153-279kHz**
Usable Sensitivity	**32 dB/ μ V (S/N 20dB)**
CD Player	
Sampling Frequency	**8 times oversampling**
DA Converter	**MASH 1 bit/4 DAC System**
Error Correction System	**Panasonic Super Decoding Algorithm**
Pick-Up Type	**Astigma 3-Beam**
Light Source	**Semiconductor Laser**
Wave length	**780nm**
Frequency Response	**5Hz-20kHz (±1 dB)**
Signal To Noise Ratio	**90 dB**
Total Harmonic Distortion	**0.01% (1kHz)**
Wow and Flutter	**Below Measurable Limits**
Channel Separation	**70 dB**
Available Disc Format	**CD-DA/MP3/WMA (CQ-DFX983N) CD-DA (CQ-DFX903N)**
CD-TEXT	**Supported (CQ-DFX983N) Not Supported (CQ-DFX903N)**
Dimensions (W×H×D)**	**178×50×155 mm**
Weight**	**1.6kg**

*** Specifications and the design are subject to possible modification without notice due to improvements.**

**** Dimensions and Weight shown are approximate.**

-Above specifications comply with EIA standards.

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Panasonic

1. ABOUT LEAD FREE SOLDER (PbF)

Distinction of PbF PCB:

PCBs (manufactured) using lead free solder will have a PbF stamp on the PCB.

Caution :

- Pb free solder has a higher melting point than standard solder; Typically the melting point is 50 - 70°F (30 - 40°C) higher. Please use a soldering iron with temperature control and adjust it to 700 ± 20°F (370 ± 10°C). In case of using high temperature soldering iron, please be careful not to heat too long.

- Pb free solder will tend to splash when heated too high (about 1100°F/600°C)

- This lead free solder will be used for the products after serial No. 1,000,001.

2. FEATUERS

- MP3/WMA Playback From CD-R/RW (CQ-DFX983N)

- CD Changer Control

- 3D Dot Matrix Display (3DDM)

- Large-sized Volume Control

- RDS (Radio Data System)

- Remote Control Unit

With 10-Key (CQ-DFX983N)

With 1 to 6Key (CQ-DFX903N)

- Face Colour

Silver (CQ-DFX983N)

Chrome Black (CQ-DFX903N)

3. REPLACING THE FUSE

Use fuses of the same specified rating (15amps). Using different substitutes or fuses with higher ratings, or connecting the unit directly without a fuse, could cause fire or damage to the stereo unit.

4. MAINTENANCE

Your product is designed and manufactured to ensure a minimum of maintenance. Use a dry, a soft cloth for routine exterior cleaning. Never use benzine, thinner or other solvents.

5. NOTES

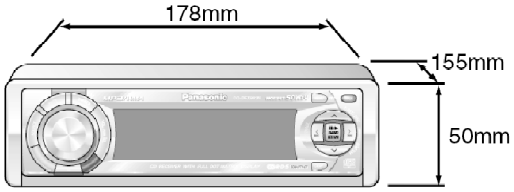
[RADIO BLOCK]

Do not align the AM/FM package block. When the package block is necessary, it will be supplied already aligned at the factory.

[CD DECK BLOCK]

This model has no servo alignment points because microcomputer controls the servo circuit.

6. DIMENSIONS



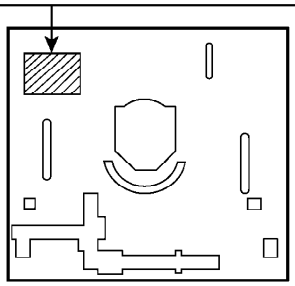
7. LASER PRODUCTS

CAUTION:

This product utilizes a laser diode with the unit turned "on", laser radiation is emitted from the pickup lens.
Laser radiation from the pickup lens is safety level, but be sure the followings:

1. Do not disassemble the optical pickup unit, since radiation from exposed laser diode is dangerous.
2. Do not adjust the variable resistor on the pickup unit. It was already adjusted.
3. Do not look at the focus lens using optical instruments.
4. Recommend not to look at pickup lens for a long time.

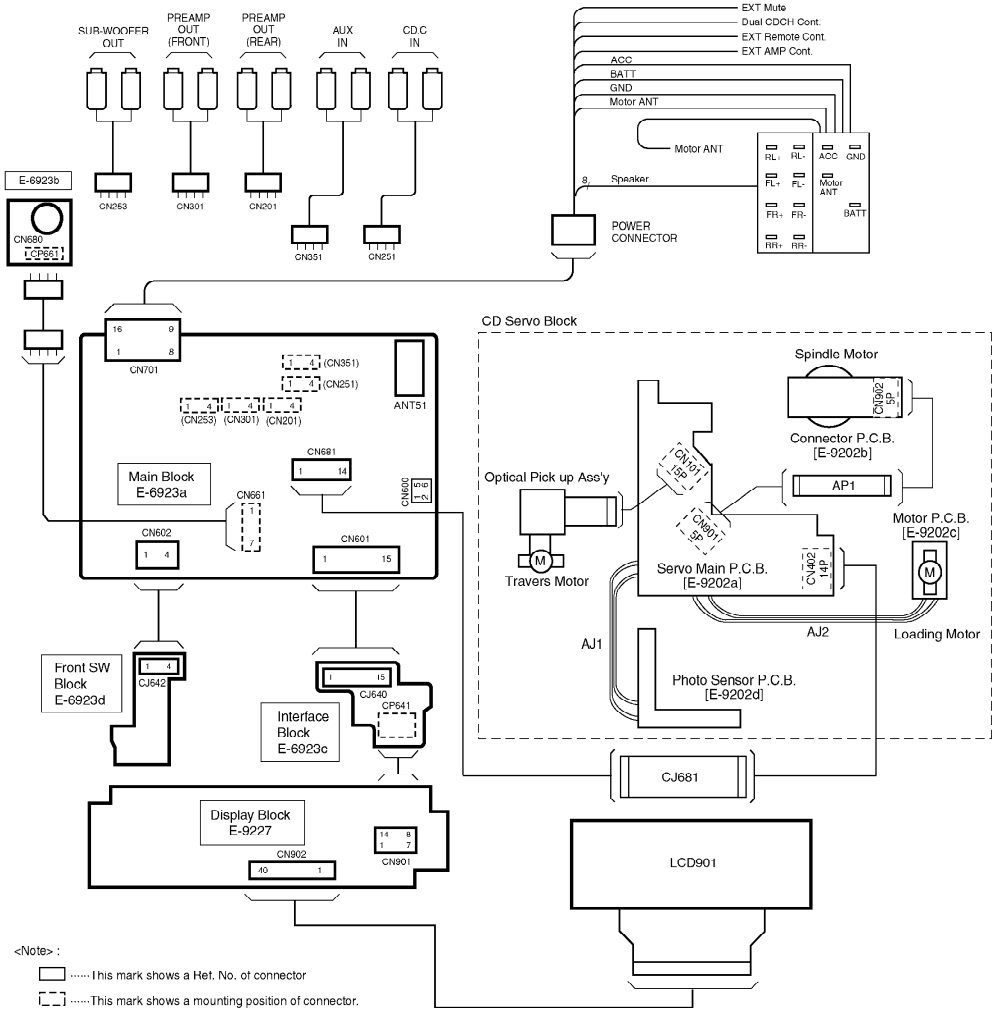
DANGER!
Visible and Invisible laser radiation when open.
Avoid direct exposure to beam.



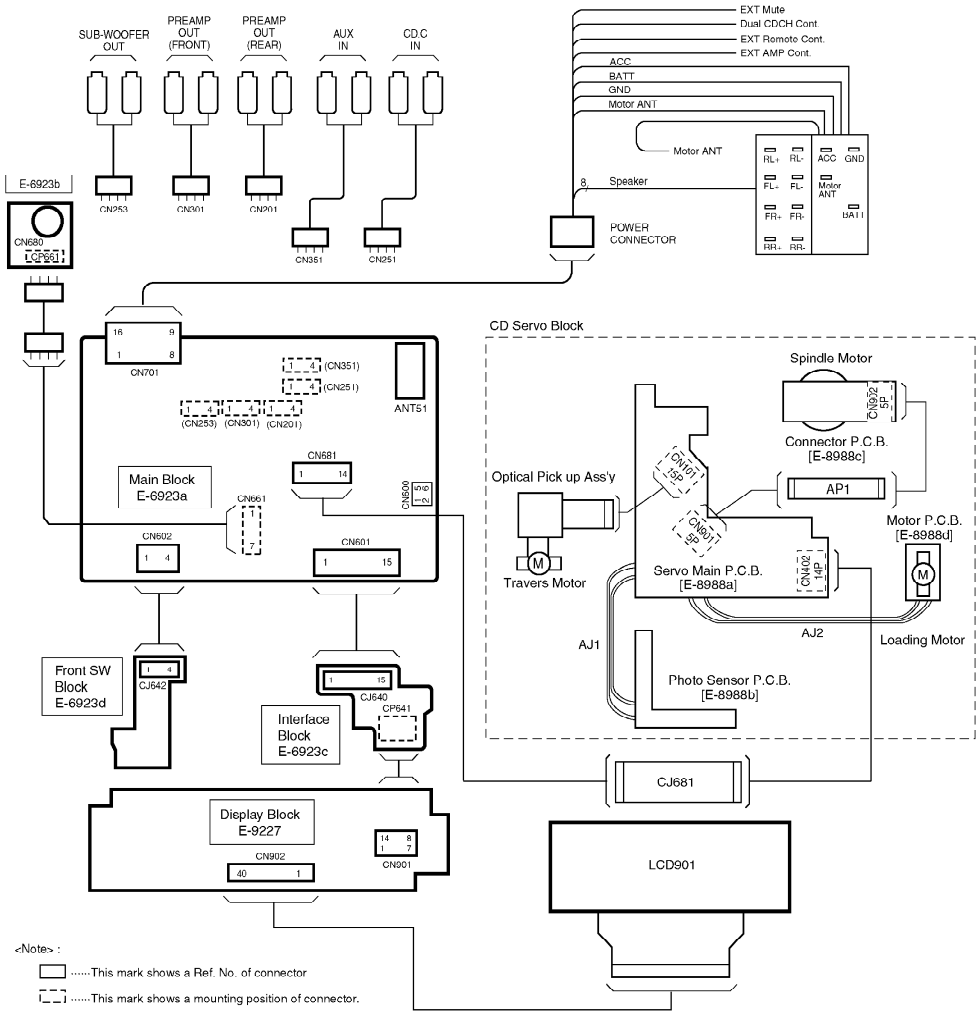
Deck Ass'y (Upper Side)

Caution
This Product utilizes a laser.
Use of controls or adjustments or performance of procedures other than those specified herein may result in hazardous radiation exposure.

8. WIRING CONNECTION [CQ-DFX983N]

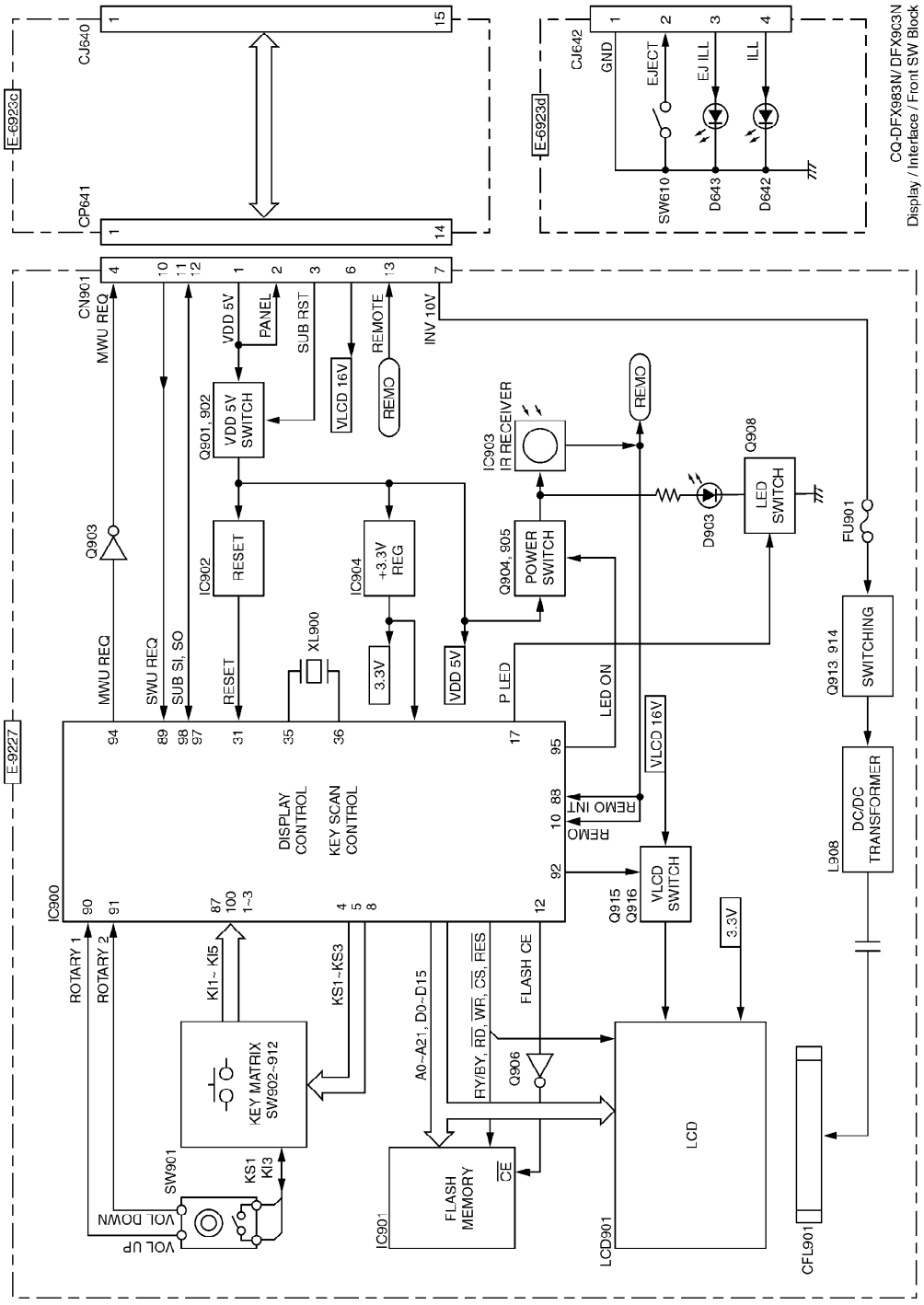


9. WIRING CONNECTION [CQ-DFX903N]

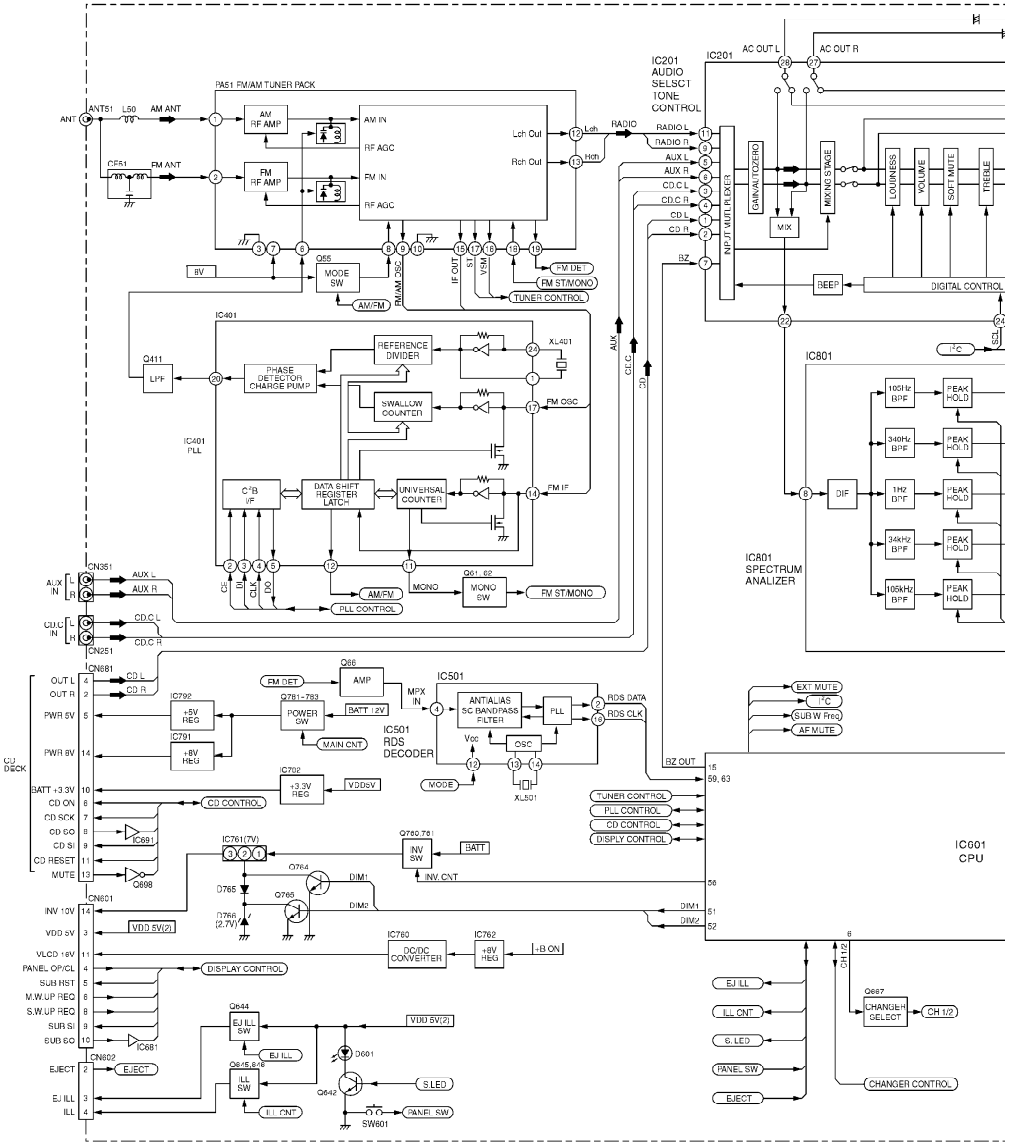


10. BLOCK DIAGRAM

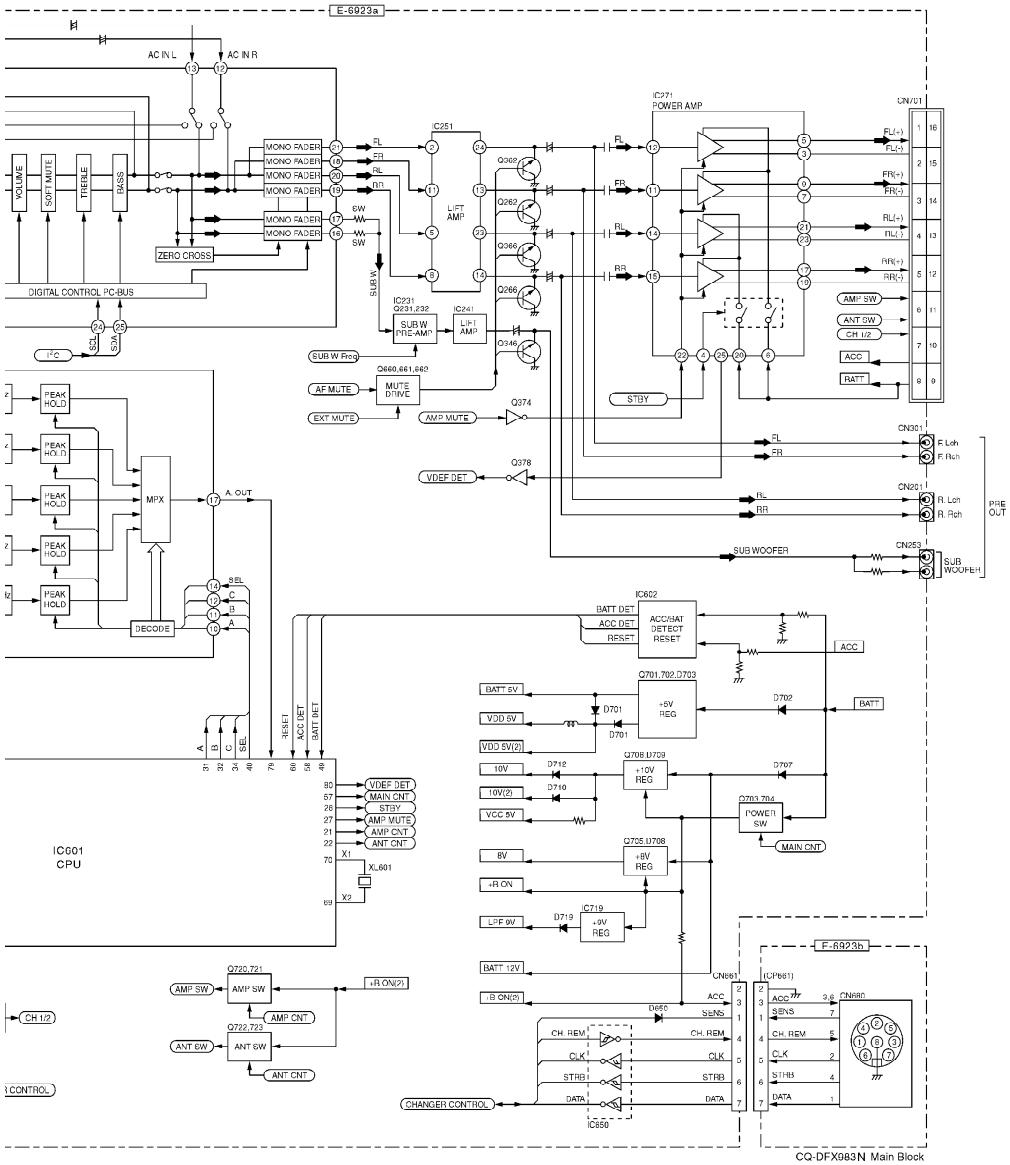
10.1. Display/ Interface/ Front SW Block



10.2. Main Block-1 [CQ-DFX983N]

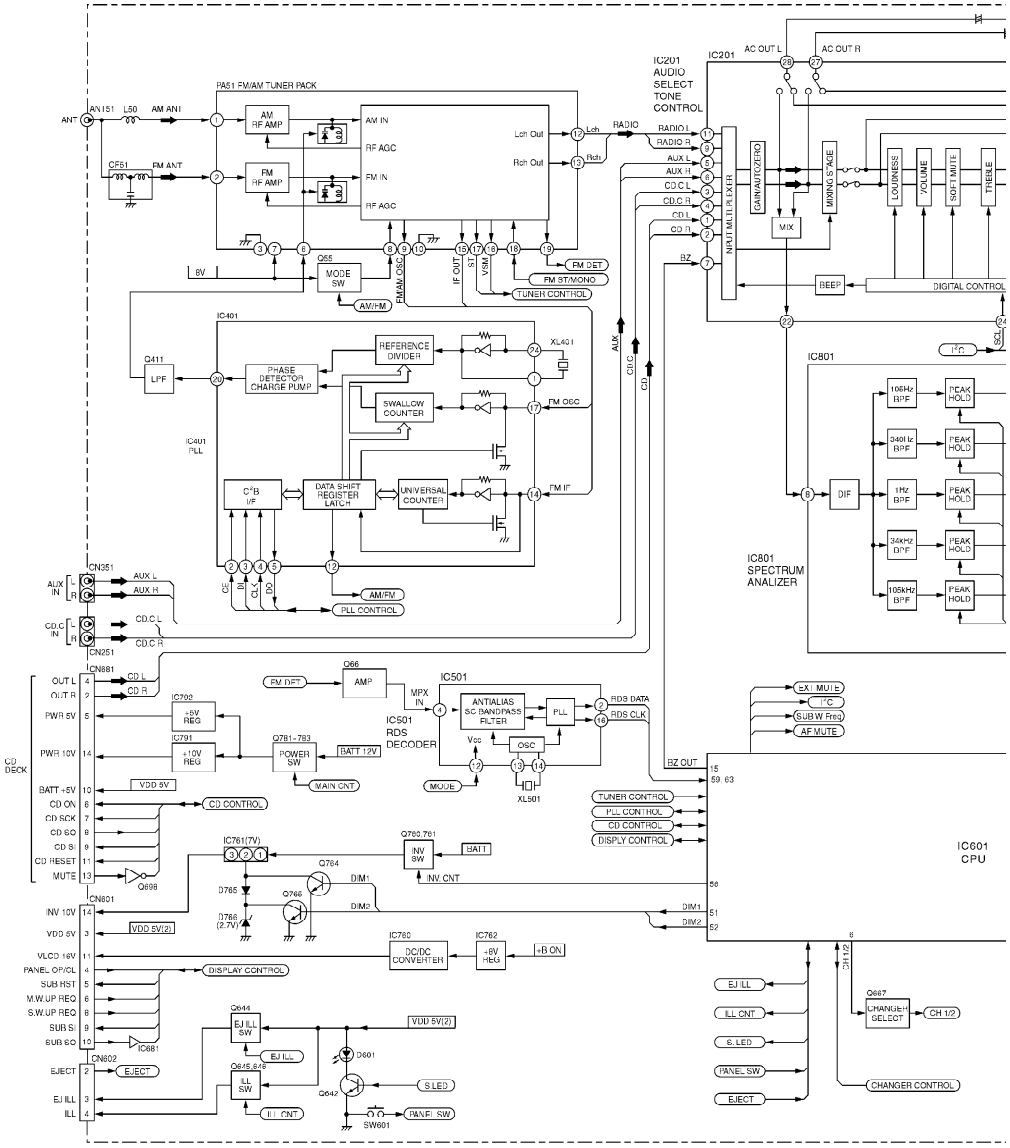


10.3. Main Block-2 [CQ-DFX983N]

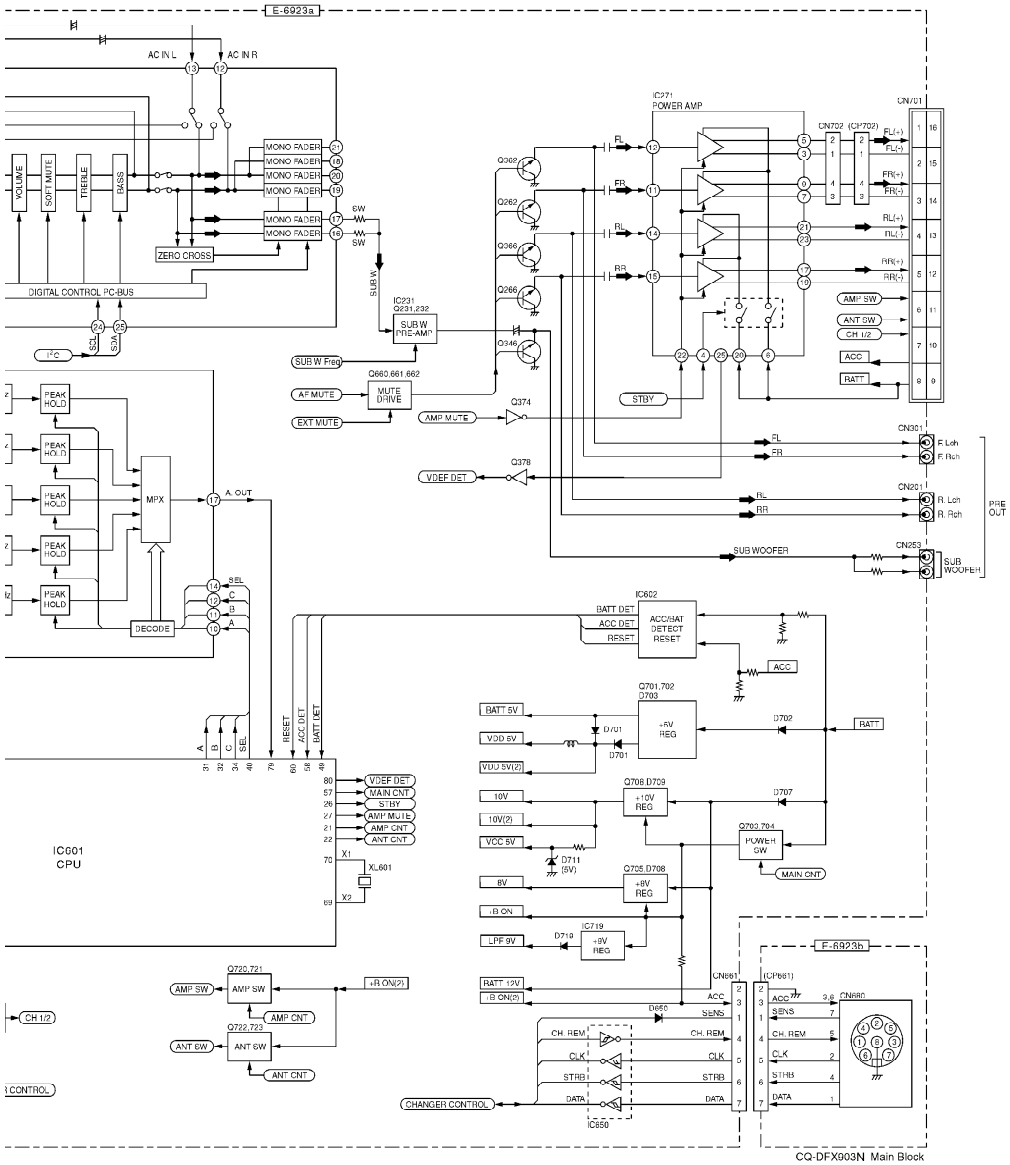


CQ-DFX983N Main Block

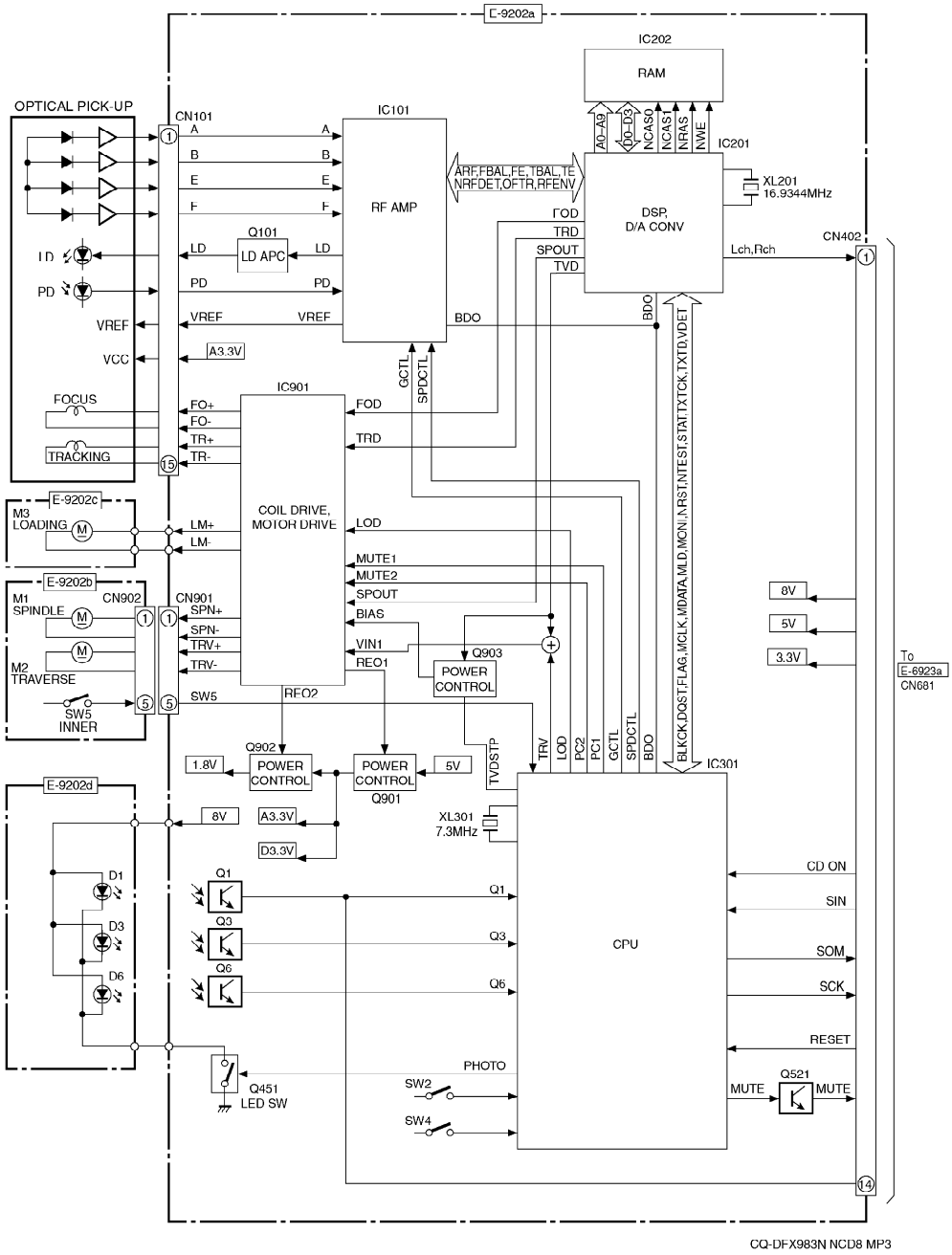
10.4. Main Block-1 [CQ-DFX903N]



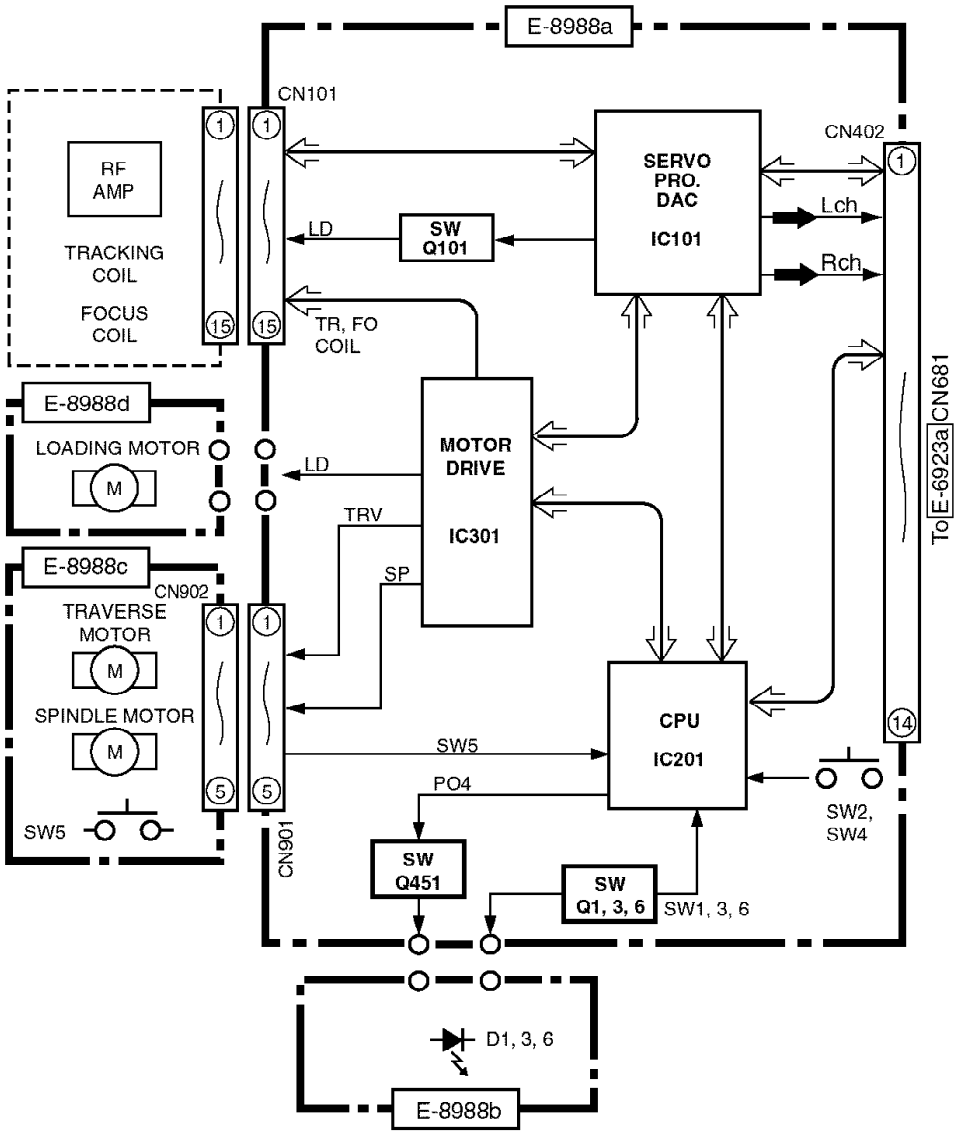
10.5. Main Block-2 [CQ-DFX903N]



10.6. CD Servo Block [CQ-DFX983N]



10.7. CD Servo Block [CQ-DFX903N]



CQ-DFX903N NCD8 CD Servo Block

11. TERMINALS DESCRIPTION

11.1. Main Block [CQ-DFX983N]

IC601 : C2CBJG000272

Pin No.	Name	Description	I/O	Vol (V)		
				FM	AM	CD
1	CDC SENS	CD changer 1/2 detection	I	5.1	5	5.2
2	ST	FM stereo signal	I	5.1	5	5.2
3	EJECT	EJECT.KYE detection	I	4.9	4.9	4.9
4	AVSS	Ground	-	0	0	0
5	EXT MUTE	TEL/NAVI mute	I	5.1	5.1	5.2
6	CDC 1/2	CD changer 1/2	O	4.8	4.8	4.8
7	AVREF1	Reference voltage	-	4.8	4.8	4.8
8	SUB SO	LCD data	I	3.3	3.3	3.3
9	SUB SI	LCD data	O	0.7	0.7	0.8
10	(NC)	-	-	-	-	-
11	CH DATA	CD changer data	I	0	0	0
12	(NC)	-	-	-	-	-
13	CH CLK	CD changer clock	I	0	0	0
14	CH REM	CD changer remote control	O	4.8	4.8	4.8
15	BZOUT	Beep	O	0	0	0
16	CD SO	CD data	I	2.6	2.7	2.8
17	CD SI	CD data	O	2.6	2.6	2.6
18	CD SCK	CD clock	O	4.7	4.7	4.7
19	S.W UP	Wake up	O	4.8	4.8	4.8
20	CD RESET	CD Reset	O	4.7	4.7	4.7
21	AMP CONT	External AMP control	O	4.7	4.7	4.7
22	ANT CONT	Antenna control	O	4.7	4.7	4.7
23	(NC)	-	-	-	-	-
24	SUB.W.F	Sub Woofer Frequency select	O	0	0	0
25	(NC)	-	-	-	-	-
26	STBY	Power IC Control	O	4.8	4.8	4.8
27	AMP MUTE	Mute control	O	0	0	0
28	CD ON	CD ON output	O	4.7	4.7	4.7
29	CD MUTE	CD mute detection	O	4.8	4.8	4.8
30	(NC)	-	-	-	-	-
31	SPE ANA A	Spectrum analyzer	O	4.5	4.5	4.5
32	SPE ANA B	Spectrum analyzer	O	4.5	4.5	4.5

Pin No.	Name	Description	I/O	Vol (V)		
				FM	AM	CD
33	VSS1	(Connecting to Ground)	-	0	0	0
34	SPE ANA C	Spectrum analyzer	O	4.4	4.4	4.4
35	ILL CNT	ILL control	O	0	0	0
36	I2C CLK	Electronic volume clock	O	4.8	4.8	4.8
37	I2C DATA	Electronic volume data	I/O	4.8	4.8	4.8
38	S LED	S LED control	O	0	0	0
39	EJE ILL	Eject LED contorol	O	4.8	4.8	4.8
40	SPE ANA SEL	Spectrum analyzer	O	0.6	0.6	0.6
41	PLL DI	PLL data	O	0	0	0
42	PLL DO	PLL data	I	5.2	5.3	5.3
43	PLL CLK	PLL clock	O	4.8	4.8	4.8
44	PLL CE	PLL Control chip enabe	O	0	0	0
45	PANEL	PANEL ON/OFF detection	I	0	0	0
46	OP/CLS	PANEL OPEN/ CLOSE detection	I	4.9	4.9	4.9
47	SUB WA	Sub CPU wake up request	O	4.7	4.7	4.7
48	(NC)	-	-	-	-	-
49	BATT	Batt Det	I	4.7	4.8	4.7
50	(NC)	-	-	-	-	-
51	DIM1	Dimmer control 1	O	0	0	0
52	DIM2	Dimmer control 2	O	0	0	0
53	(NC)	-	-	-	-	-
54	AF MUTE	Audio mute control	O	4.8	4.8	4.8
55	(NC)	-	-	-	-	-
56	INV CNT	INV power control	O	4.7	4.7	4.8
57	MAIN CNT	Main power contorl	O	4.6	4.6	4.6
58	ACC	ACC detection	I	4.7	4.8	4.7
59	RDS DATA	RDS data input	I	2.8	0	0
60	RESET	Reset input	I	4.8	4.8	4.8
61	M.W UP	Main wake up request	I	4.7	4.7	4.7

Pin No.	Name	Description	I/O	Vol (V)		
				FM	AM	CD
62	CD C2	Battery detection	I	0	0	0
63	RDS CLK	RDS clock input	I	4.8	4.8	4.8
64	CH STRB	CD changer strobe	I	0	0	0
65	(NC)	-	-	-	-	-
66	(NC)	-	-	-	-	-
67	VSS0	Ground	-	0	0	0
68	VDD1	+5V power supply	-	4.8	4.8	4.8
69	X2	Crystal Oscillator	-	2.9	2.9	2.9
70	X1	Crystal Oscillator	I	2.3	2.3	2.3
71	VPP	Vpp	-	0	0	0
72	SUB X2	Sub Crystal Oscillator	O	2.7	2.7	2.7
73	SUB X1	Sub Crystal Oscillator	I	2.3	2.3	2.3
74	VDD0	+5V power supply	-	4.8	4.8	4.8
75	AVREF	Reference voltage	-	4.8	4.8	4.8
76	SD	FM/AM signal meter	I	0	1.5	0.6
77	INIT A	Initialize set up A	I	0	0	0
78	INIT B	Initialize set up B	I	0	0	0
79	SPE ANA A. IN	Spectrum analyzer data	I	0	0	0
80	OFFSET DET	Power IC Offset Detect	I	0	0	0

Note 1 : Voltage measuerments are with respect to ground, with a voltmeter (internal resistance : 10M ohms).

11.2. Main Block [CQ-DFX903N]

IC601 : C2CBJG000274

Pin No.	Name	Description	I/O	Vol (V)		
				FM	AM	CD
1	CDC SENS	CD changer 1/2 detection	I	5.1	5	5.2
2	ST	FM stereo signal	I	5.1	5	5.2
3	EJECT	EJECT.KYE detection	I	4.9	4.9	4.9
4	AVSS	Ground	-	0	0	0
5	EXT MUTE	TEL/NAVI mute	I	5.1	5.1	5.2
6	CDC 1/2	CD changer 1/2	O	4.8	4.8	4.8
7	AVREF1	Reference voltage	-	4.8	4.8	4.8
8	SUB SO	LCD data	I	3.3	3.3	3.3
9	SUB SI	LCD data	O	0.7	0.7	0.8
10	(NC)	-	-	-	-	-
11	CH DATA	CD changer data	I	0	0	0
12	(NC)	-	-	-	-	-
13	CH CLK	CD changer clock	I	0	0	0
14	CH REM	CD changer remote control	O	4.8	4.8	4.8
15	BZOUT	Beep	O	0	0	0
16	CD SO	CD data	I	2.6	2.7	2.8
17	CD SI	CD data	O	2.6	2.6	2.6
18	CD SCK	CD clock	O	4.7	4.7	4.7
19	S.W UP	Wake up	O	4.8	4.8	4.8
20	CD RESET	CD Reset	O	4.7	4.7	4.7
21	AMP CONT	External AMP control	O	4.7	4.7	4.7
22	ANT CONT	Antenna control	O	4.7	4.7	4.7
23	(NC)	-	-	-	-	-
24	SUB.W.F	Sub Woofer Frequency select	O	0	0	0
25	(NC)	-	-	-	-	-
26	STBY	Power IC Control	O	4.8	4.8	4.8
27	AMP MUTE	Mute control	O	0	0	0
28	CD ON	CD ON output	O	4.7	4.7	4.7
29	CD MUTE	CD mute detection	O	4.8	4.8	4.8
30	(NC)	-	-	-	-	-
31	SPE ANA A	Spectrum analyzer	O	4.5	4.5	4.5
32	SPE ANA B	Spectrum analyzer	O	4.5	4.5	4.5

Pin No.	Name	Description	I/O	Vol (V)		
				FM	AM	CD
33	VSS1	(Connecting to Ground)	-	0	0	0
34	SPE ANA C	Spectrum analyzer	O	4.4	4.4	4.4
35	ILL CNT	ILL control	O	0	0	0
36	I2C CLK	Electronic volume clock	O	4.8	4.8	4.8
37	I2C DATA	Electronic volume data	I/O	4.8	4.8	4.8
38	S LED	S LED control	O	0	0	0
39	EJE ILL	Eject LED contorol	O	4.8	4.8	4.8
40	SPE ANA SEL	Spectrum analyzer	O	0.6	0.6	0.6
41	PLL DI	PLL data	O	0	0	0
42	PLL DO	PLL data	I	5.2	5.3	5.3
43	PLL CLK	PLL clock	O	4.8	4.8	4.8
44	PLL CE	PLL Control chip enabe	O	0	0	0
45	PANEL	PANEL ON/OFF detection	I	0	0	0
46	OP/CLS	PANEL OPEN/ CLOSE detection	I	4.9	4.9	4.9
47	SUB WA	Sub CPU wake up request	O	4.7	4.7	4.7
48	(NC)	-	-	-	-	-
49	BATT	Batt Det	I	4.7	4.8	4.7
50	(NC)	-	-	-	-	-
51	DIM1	Dimmer control 1	O	0	0	0
52	DIM2	Dimmer control 2	O	0	0	0
53	(NC)	-	-	-	-	-
54	AF MUTE	Audio mute control	O	4.8	4.8	4.8
55	(NC)	-	-	-	-	-
56	INV CNT	INV power control	O	4.7	4.7	4.8
57	MAIN CNT	Main power contorl	O	4.6	4.6	4.6
58	ACC	ACC detection	I	4.7	4.8	4.7
59	RDS DATA	RDS data input	I	2.8	0	0
60	RESET	Reset input	I	4.8	4.8	4.8
61	M.W UP	Main wake up request	I	4.7	4.7	4.7

Pin No.	Name	Description	I/O	Vol (V)		
				FM	AM	CD
62	CD C2	Battery detection	I	0	0	0
63	RDS CLK	RDS clock input	I	4.8	4.8	4.8
64	CH STRB	CD changer strobe	I	0	0	0
65	(NC)	-	-	-	-	-
66	(NC)	-	-	-	-	-
67	VSS0	Ground	-	0	0	0
68	VDD1	+5V power supply	-	4.8	4.8	4.8
69	X2	Crystal Oscillator	-	2.9	2.9	2.9
70	X1	Crystal Oscillator	I	2.3	2.3	2.3
71	VPP	Vpp	-	0	0	0
72	SUB X2	Sub Crystal Oscillator	O	2.7	2.7	2.7
73	SUB X1	Sub Crystal Oscillator	I	2.3	2.3	2.3
74	VDD0	+5V power supply	-	4.8	4.8	4.8
75	AVREF	Reference voltage	-	4.8	4.8	4.8
76	SD	FM/AM signal meter	I	0	1.5	0.6
77	INIT A	Initialize set up A	I	0	0	0
78	INIT B	Initialize set up B	I	0	0	0
79	SPE ANA A. IN	Spectrum analyzer data	I	0	0	0
80	OFFSET DET	Power IC Offset Detect	I	0	0	0

Note 1 : Voltage measuerments are with respect to ground, with a voltmeter (internal resistance : 10M ohms).

11.3. Display Block

IC900 : C2DBKJ000126

Pin No.	Name	Description	I/O	Vol (V)
1	KI3	Key return 3 signal	I	0
2	KI4	Key return 2 signal	I	0
3	KS1	Key scan 1 signal	O	0
4	KS2	Key scan 2 signal	O	0
5	KS3	Key scan 3 signal	O	0
6	EVDD	+5V power supply		3.3
7	EVSS	GND		0
8	KS4	Key scan 4 signal	O	0
9	NC	-	-	-
10	REMO	Remote controller signal	I	2.6
11	MP(NC)	-	-	-
12	CE/CS	ROM chip eable	O	0
13	RY/ BY(NC)	-	-	-
14	A13	ROM A12	O	0
15	A14	ROM A13	O	0.5
16	A15	ROM A14	O	0.8
17	P LED(NC)	-	-	-
18	VPP	VPP		0
19	A5	ROM A4	O	0.4
20	A6	ROM A5	O	0.4
21	A7	ROM A6	O	0.4
22	A8	ROM A7	O	0.4
23	A9	ROM A8	O	0
24	A10	ROM A9	O	0.4
25	A11	ROM A10	O	0.4
26	A12	ROM A12	O	0
27	A1/LCD RS	ROM A0/LCD driver register select	O	3.0
28	A2	ROM A1	O	0.4
29	A3	ROM A2	O	0.4
30	A4	ROM A3	O	0.4
31	RESET	System reset	I	3.0
32	NC	(Connecting to ground)	I	0
33	NC	-	-	-
34	REGC	Connection pin for reg. capacitor	-	3.4
35	X2	Main system clock oscillator (16.766MHz)	I	1.5
36	X1	Main system clock oscillator (16.766MHz)		1.5
37	VSS	GND	-	0
38	VDD	+5V power supply	-	5

Pin No.	Name	Description	I/O	Vol (V)
39	NC	-	-	-
40	LCD WR	LCD driver write strobe	O	3.3
41	NC	-	-	-
42	WE	-	-	-
43	OE/ RD	ROM output enable/ LCD driver read strobe	O	3.3
44	(NC)	-	-	-
45	LCD RESET	LCD driver reset	O	3.3
46	A22	ROM A22	O	0
47	D0	ROM D0/ LCD D0	I/O	0.8
48	D1	ROM D1/ LCD D1	I/O	0.9
49	D2	ROM D2/ LCD D2	I/O	0.8
50	D3	ROM D3/ LCD D3	I/O	0.8
51	D4	ROM D4/ LCD D4	I/O	1.3
52	D5	ROM D5/ LCD D5	I/O	1.4
53	D6	ROM D6/ LCD D6	I/O	1.0
54	D7	ROM D7/ LCD D7	I/O	1.0
55	BVDD	+5V power supply	-	3.3
56	BVSS	GND	-	0
57	D8	ROM D8	I	1.2
58	D9	ROM D9	I	1.3
59	D10	ROM D10	I	1.1
60	D11	ROM D11	I	1.1
61	D12	ROM D12	I	1.1
62	D13	ROM D13	I	1.2
63	D14	ROM D14	I	1.1
64	D15	ROM D15	I	1.0
65	A16	ROM A15	O	0
66	A17	ROM A16	O	0.7
67	A18	ROM A17	O	0
68	A19	ROM A18	O	0.7
69	A20	ROM A19	O	3.3
70	A21 /	ROM chip enable/ LCD driver chip select	O	0.7
71	AVDD	+5V power supply for A/D converter	-	5

Pin No.	Name	Description	I/O	Vol (V)
72	AVSS	GND for A/D converter	-	0
73	AVref	REF voltage for A/D converter	I	5
74	INIT	Initial setting select	I	0.4
75	NC	(Connecting to ground)	-	0
76	TH DETECT	Thermal sensor detection signal	I	1.7
77	NC	(Connecting to ground)	-	0
78	NC	(Connecting to ground)	-	0
79	NC	(Connecting to ground)	-	0
80	NC	(Connecting to ground)	-	0
81	NC	(Connecting to ground)	-	0
82	NC	(Connecting to ground)	-	0
83	NC	(Connecting to ground)	-	0
84	NC	(Connecting to ground)	-	0
85	NC	(Connecting to ground)	-	0
86	NC	-	-	-
87	KI1 (SOURCE)	SOURCE Switch Input	I	0
88	REMO INT	Rmote control interrupt	I	2.6
89	S W U REQ	Sub CPU wake up request signal	I	3.1
90	ROTARY.1	Rotary SW1	I	0
91	ROTARY.2	Rotary SW2	I	3.3
92	VLCD CONT	VLCD control	I	3.3
93	NC	-	-	-
94	M.W.U. REQ	Main CPU wake up request signal	O	0
95	LED ON	Power key LED control signal	O	3.3
96	NC	-	-	-
97	SI	Main CPU BUS data input	I	0.5
98	SO	Main CPU BUS data output	O	2.0
99	F RESET	RESET	I	2.0
100	KI2	Key return 2 signal	I	0

11.4. CD Servo Block [CQ-DFX983N]

IC301 : MN101C61GAH

Pin No.	Port	Description	I/O	(V)
1	VREF-	Reference supply for AD converter (GND)	-	0
2	Q1	-	I	3.1
3	SW2	Disc push SW	I	3.3
4	Q3	-	I	2.9
5	SW4	Disc load SW	I	0
6	SW5	Eject SW	I	3.3
7	Q6	-	I	2.3
8	OUTC(NC)	-	-	-
9	VPP(NC)	-	-	-
10	VREF+	Reference supply for AD converter (+3.3V)	-	3.3
11	VDD	Power supply (+3.3V)	-	3.3
12	OSC2	Microcomputer system clock output (7.37MHz)	O	1.7
13	OSC1	Microcomputer system clock input (7.37MHz)	I	1.6
14	VSS	Ground	-	0
15	XI	Connected GND	-	0
16	XO (NC)	-	-	-
17	MMOD	Connected GND	-	0
18	(NC)	-	-	-
19	(NC)	-	-	-
20	(NC)	-	-	-
21	M DATA	Microcomputer command data signal	O	3.2
22	STAT	Servo LSI status signal	I	0.4
23	MCLK	Microcomputer command clock signal	O	3.1
24	MLD	Microcomputer command load signal	O	3.3
25	M RESET	Microcomputer reset input	I	3.3
26	RMOLT(NC)	-	-	-
27	PC1	Loading driver output cut	O	0
28	TCI02(NC)	-	-	-
29	MONI	ON/OFF control output of spindle motor	O	0
30	TVDSTP	-	-	3.2
31	BLKCK	BLKCK signal	I	0
32	DÇpSY	CD-TEXT/SUBQ synchronizing signal	I	0
33	IRQ2/P22	Connected GND	-	0
34	CD ON	Operation mode signal	I	2.9
35	FLAG	FLAG output signal	O	0
36	SB03/P30(NC)	-	-	-
37	TX TD	-	-	0
38	TX TCK	-	-	3.3
39	BDO	Drop signal output	O	0
40	N TEST	N TEST signal output	O	3.3
41	P35(SCKM)	Serial data shift clock	-	4
42	P36(SIM)	Sereal data input	-	0.5
43	P37(NC)	-	-	-
44	SOM	Sereal data output	O	2.4
45	SIM	Sereal data input	I	0.5
46	SCKM	Serial data shift clock	I	4
47	TEST1(NC)	-	-	-
48	TEST2(NC)	-	-	-
49	TEST3(NC)	-	-	-
50	TEST4(NC)	-	-	-
51	N RST	Reset input	I	3.3
52	PHOTO	Photo seser output	O	0.9
53	MUTE	Muting input	I	3.1
54	EXT1	Vibration detection input	I	1.6

Pin No.	Port	Description	I/O	(V)
55	LOD	Loading motor control	I	1.7
56	P54/A17(NC)	-	-	-
57	P60/A0(NC)	-	-	-
58	P61/A1(NC)	-	-	-
59	P62/A2(NC)	-	-	-
60	P63/A3(NC)	-	-	-
61	SW5	Inner track detection	I	3.3
62	P65/A5(NC)	-	-	-
63	P66/A6(NC)	-	-	-
64	P67/A7(NC)	-	-	-
65	P70/SD00(NC)	-	-	-
66	P71/SD01(NC)	-	-	-
67	P72/A10/SD02(NC)	-	-	-
68	P73	Connected GND	-	0
69	P74	Connected GND	-	0
70	P75 (NC)	-	-	-
71	GCTL	RF amplifier gain control	O	1.6
72	SPDCTL	RF amplifier gain control	O	3.3
73	PC2	Actuator drive control output	O	3.3
74	TRV	Traverse motor control output	O	1.7
75	P85(NC)	-	-	-
76	P84(NC)	-	-	-
77	P83(NC)	-	-	-
78	P82(NC)	-	-	-
79	P81(NC)	-	-	-
80	P80(NC)	-	-	-

11.5. CD Servo Block [CQ-DFX903N]

IC201 : C2BBFD000365

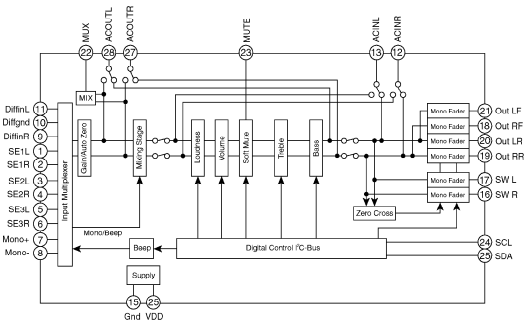
Pin No.	Port	Description	I/O	(V)
1	A0	Address output	O	3.8
2	/RST	Servo processor reset	O	5.1
3	RFOK	Servo processor RFOK signal	I	4.9
4	/PS2	IC301 mute	O	5.1
5	/PC1	IC301 mute	O	0
6	TRV	Toraverse motor control	O	2.5
7	LOD	Loading motor control	O	2.5
8	PS2	Not used	-	-
9	PC1	Not used	-	-
10	PC	Not used	-	-
11	IFR	(Connecting to ground)	-	0
12	NC	No connection	-	-
13	VPP	Not used	-	-
14	X2	Crystal oscillator	-	3.3
15	X1	Crystal oscillator	-	2.9
16	VSS	Ground	-	0
17	VDD	+5V power supply	-	5.1
18	/RESET	Reset input	I	5.1
19	TP19	Not used	-	-
20	TP20	Not used	-	-
21	TP21	Not used	-	-
22	AMUTE	AF mute	O	0

Pin No.	Port	Description	I/O	(V)
23	CDON	CD power on	I	5.0
24	INTP1	(Connecting to ground)	-	0
25	INTP0	(Connecting to ground)	-	0
26	SIMO	Serial data	I	0
27	SOMI	Serial data	O	2.9
28	SCKM	Shift clock for serial data	I	5.0
29	Q1 SW1	Disc in sensor signal	I	4.6
30	Q3 SW3	Disc out sensor signal	I	4.6
31	Q6 SW6	(Option sensor)	I	4.7
32	SW4	Disc clamp	I	0
33	SW5	Inner SW	I	4.9
34	SW2	Feeder arm	I	5.1
35	TP35	Not used	-	-
36	TP36	Not used	-	-
37	TP37	Not used	-	-
38	VDD	+5V power supply	-	5.1
39	VSS	Ground	-	0
40	/XEN	Servo processor XEN signal	O	0
41	SI	Serial data	O	3.1
42	SO	Serial data	I	0.7
43	/SCK	Shift clock	O	3.6
44	/STB	Strobe	O	5.0

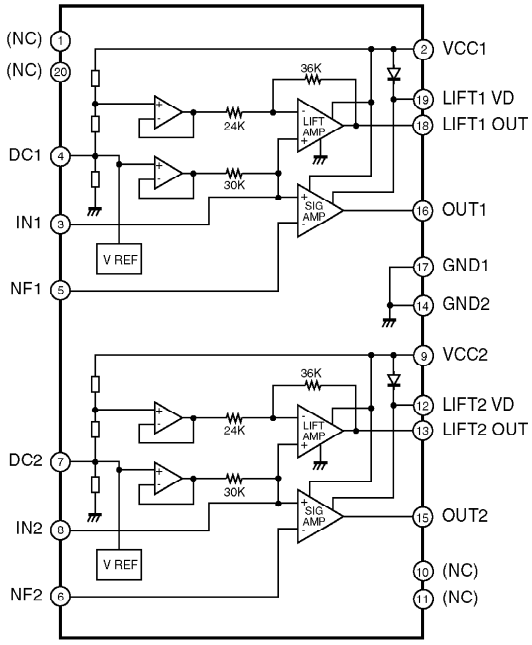
12. PACKAGE AND IC BLOCK DIAGRAM

12.1. Main Block

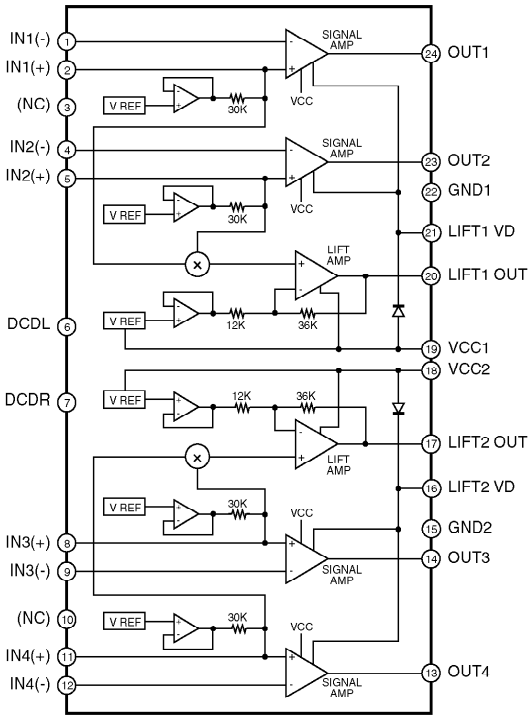
IC201 : C1BB00000543



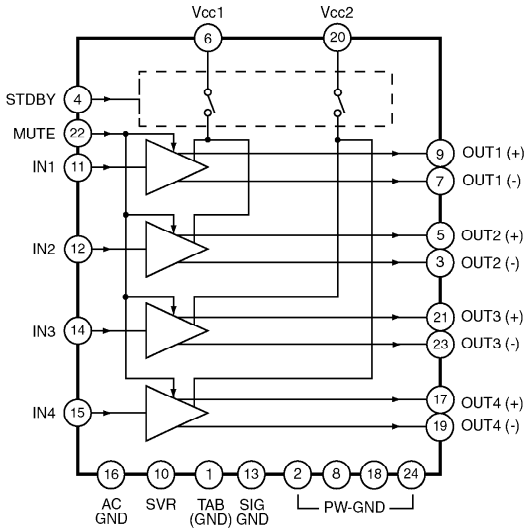
IC241 : C1BB00000650 (CQ-DFX983N)



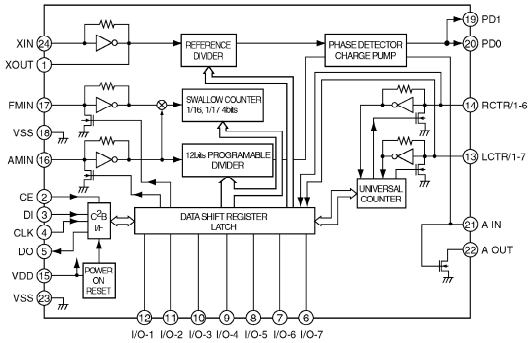
IC251 : C1BB00000649 (CQ-DFX983N)



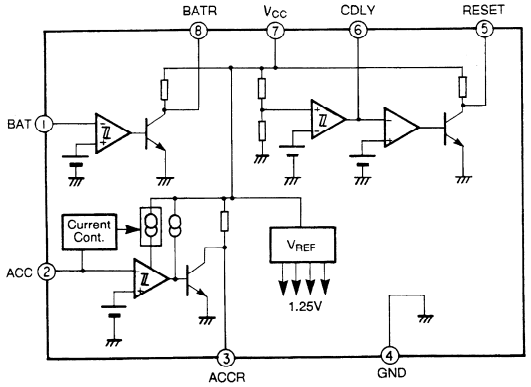
IC271 : C1EA00000029



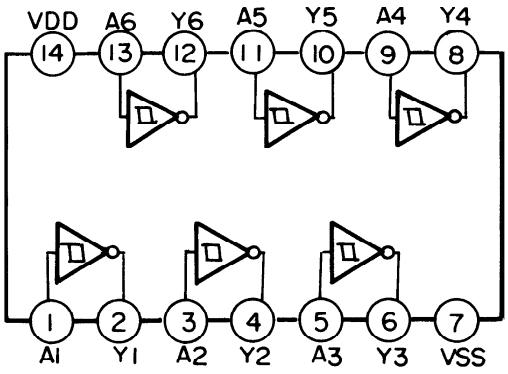
IC401 : C1BB00000644



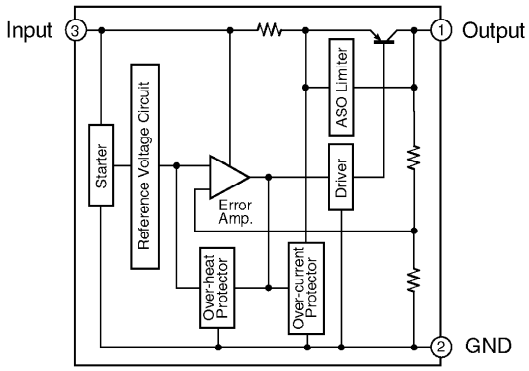
IC602 : AN8065SE1



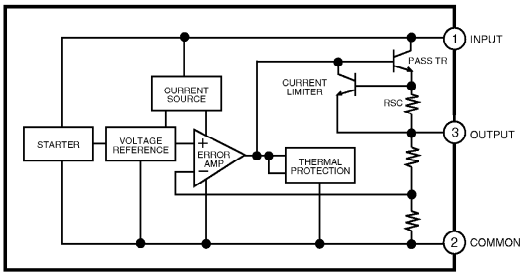
IC650 : YEAMC14584BE



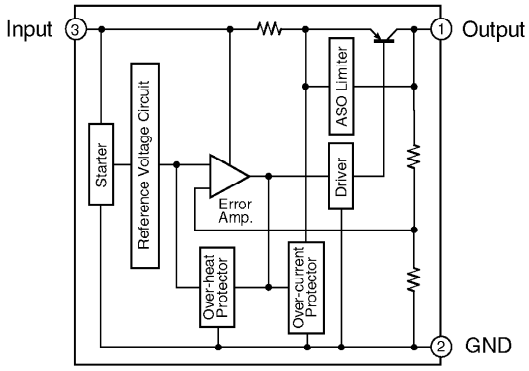
IC719 : AN8009M-E1



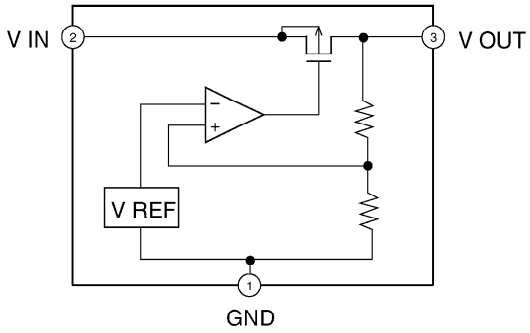
IC761 : AN7807F



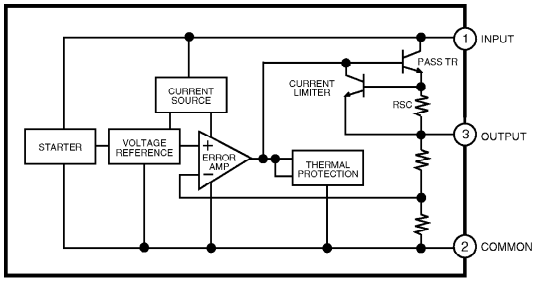
IC762 : YEAMC78L08E2



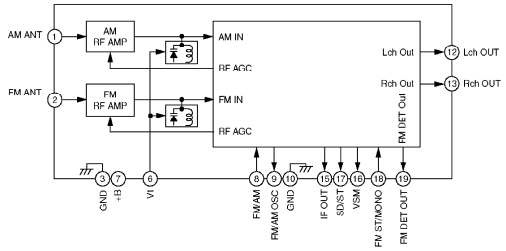
IC782 : YEAM7200U33T



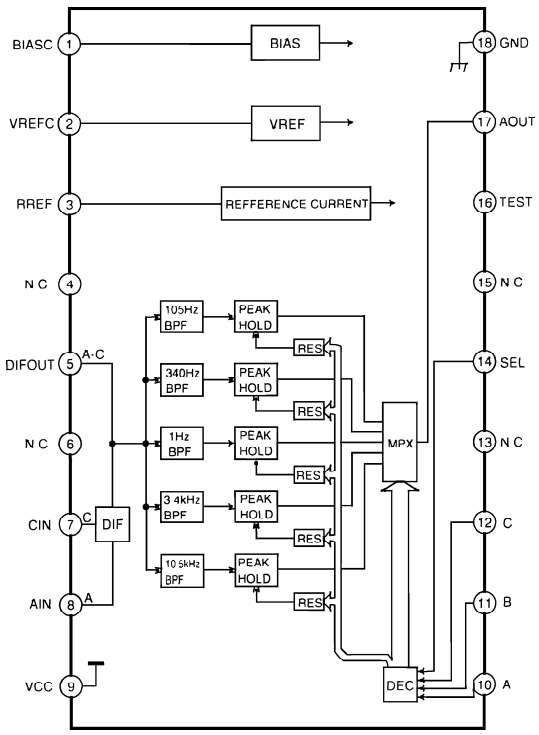
IC792 : YEAMPC7805H



PA51 : C5BA00000110

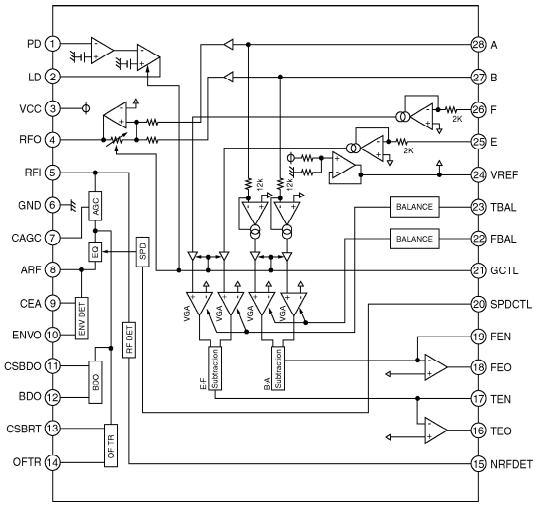


IC801 : YEAMBA3835FE

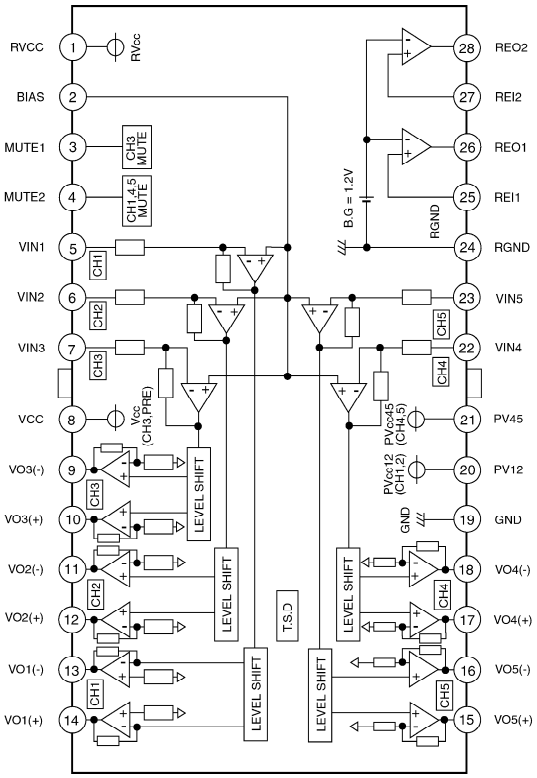


12.2. CD Servo Block [CQ-DFX983N]

IC101 : C1BB00000624

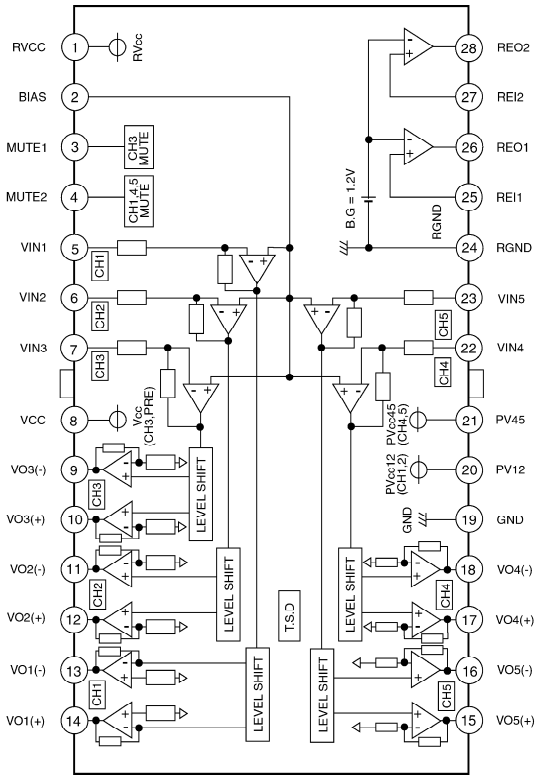


IC901 : C0GBY0000012

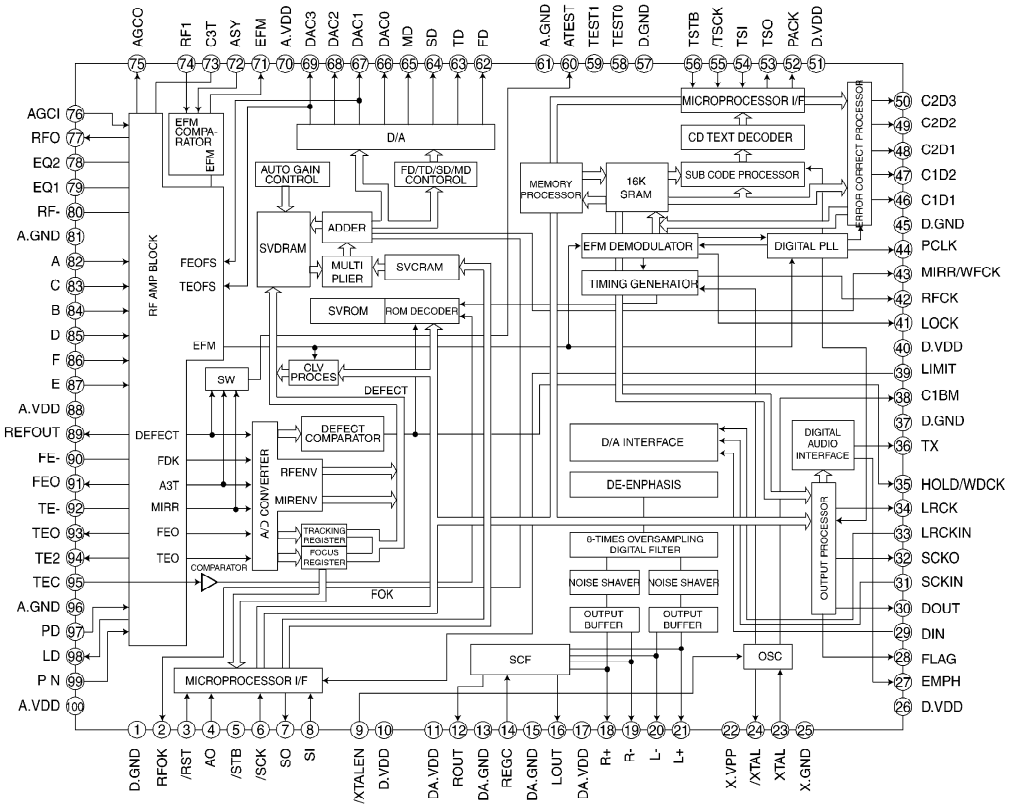


12.3. CD Servo Block [CQ-DFX903N]

IC301 : C0GBY0000012



IC101 C1BB00000414



13. REPLACEMENT PARTS LIST [CQ-DFX983N]

Notes :

1. **Be sure to make your orders of replacement parts according to this list.**
2. **Important safety notice: Components, identified by ⚠ mark have special characteristics important for safety. When replacing any of these components, use only manufacturer's specified parts.**
3. **Location keys in the remarks column indicates the general location of the parts shown in the exploded drawing, as in a road map.**
4. **The marking (RTL) indicates that Retention Time is limited for this item. After the discontinuation of assembly in production, the item will continue to be available for a specific period of time. The retention period of availability is dependent on the type of assembly, and in accordance with the laws governing part and product retention. After the end of this period, the assembly will no longer be available.**

    - Order intake period is basically six months after the first shipment.

Ref. No.	Part No.	Part Name & Description	Remarks
[E6923] Main Block			
ICs and TRANSISTORs			
IC201	C1BB00000543	IC	
IC231	YEAMPC4570T1	IC	
IC241	C1BB00000650	IC	
IC251	C1BB00000649	IC	
IC271	C1EA00000029	IC	
IC401	C1BB00000644	IC	
IC501	YEAMDA7479D	IC	
IC601	C2CBJG000272	IC	
IC602	AN8065SE1	IC	
IC650	YEAMC14584BE	IC	
IC681	YEAMT7ST08UL	IC	
IC691	YEAMT7ST08UL	IC	
IC719	AN8009M-E1	IC	
IC760	C0DBABZ00002	IC	
IC761	AN7807F	IC	
IC762	YEAMC78L08E2	IC	
IC782	YEAM7200U33T	IC	
IC791	YEAMPC2908HF	IC	
IC792	YEAMPC7805H	IC	
IC801	YEAMBA3835FE	IC	
PA51	C5BA00000110	Electronic Tuner	
Q55	YEANFP1F3PT1	Transistor	
Q61	B1GBCFNN0004	Transistor	

Ref. No.	Part No.	Part Name & Description	Remarks
Q62	B1GDCFNN0002	Transistor	
Q66	B1ABCF000044	Transistor	
Q231	B1GBHBEA0004	Transistor	
Q232	B1GDCFJJ0002	Transistor	
Q262	B1GBHBEA0004	Transistor	
Q266	B1GBHBEA0004	Transistor	
Q346	B1GBHBEA0004	Transistor	
Q362	B1GBHBEA0004	Transistor	
Q366	B1GBHBEA0004	Transistor	
Q374	YEANC114YKX	Transistor	
Q378	B1GBCFNN0004	Transistor	
Q411	YEAN2SK536TB	Transistor	
Q642	B1GBCFNN0004	Transistor	
Q644	B1GDCFJN0004	Transistor	
Q645	B1GDCFJN0004	Transistor	
Q646	B1GBCFNN0004	Transistor	
Q660	YEANFP1F3PT1	Transistor	
Q661	YEANA114TK	Transistor	
Q662	YEANA114TK	Transistor	
Q667	B1GBCFNL0001	Transistor	
Q698	B1GBCFNN0004	Transistor	
Q701	YEANC4480AN	Transistor	
Q702	YEANC4480AN	Transistor	
Q703	YEANB1243QRT	Transistor	
Q704	YEANFB1F3PT1	Transistor	
Q705	2SD2139TA	Transistor	
Q708	2SD1994ATA	Transistor	
Q720	YEANHQ1F3PT1	Transistor	
Q721	YEANC114YKX	Transistor	
Q722	YEANHQ1F3PT1	Transistor	
Q723	YEANC114YKX	Transistor	
Q760	YEANC114YKX	Transistor	
Q761	YEANB1243QRT	Transistor	
Q764	B1GBCFNN0004	Transistor	
Q765	B1GBCFNN0004	Transistor	
Q781	YEANC4480AN	Transistor	
Q782	YEANC114YKX	Transistor	
Q783	YEANA114WKTX	Transistor	
DIODEs			
D201	YEADDSM1D2T7	Diode	
D202	YEADDSM1D2T7	Diode	
D203	YEADDSM1D2T7	Diode	
D204	YEADDSM1D2T7	Diode	
D301	MA736TX	Diode	
D302	MA736TX	Diode	
D303	MA736TX	Diode	
D304	MA736TX	Diode	
D504	YEADRD51M2T1	Diode	
D601	LN25RP	LED	
D603	MA3X152A0L	Diode	
D642	B3ABB0000154	LED	
D643	B3ABB0000154	LED	

Ref. No.	Part No.	Part Name & Description	Remarks
D650	MA3X152A0L	Diode	
D651	MA721TX	Diode	
D676	MA152WATX	Diode	
D701	MA721WKTX	Diode	
D702	YEAD11ES2T	Diode	
D703	YEADRD56M3T1	Diode	
D705	MA3X152K0L	Diode	
D706	YEADDAM3MA47	Diode	
D707	YEADRB051L40	Diode	
D708	YEADRD82M1T1	Diode	
D709	B0BC9R600001	Diode	
D710	MA721TX	Diode	
D711	MA4051LMTA	Diode	
D712	MA721TX	Diode	
D719	MA723TA	Diode	
D763	MA3X74000L	Diode	
D765	MA153TX	Diode	
D766	YEADRD27M2T1	Diode	
D767	MA721TX	Diode	
CAPACITORs			
C50	YECUS1H100CC	Ceramic, 10PF 50WV	
C52	YECUS1H470JC	Ceramic, 47PF 50WV	
C53	YECUS1H103KX	Ceramic, 0.01 μF 50WV	
C54	ECEA1AKS221I	Electrolytic, 220 μF 10WV	
C55	YECUS1H103KX	Ceramic, 0.01 μF 50WV	
C56	F3F1E105A001	Tantalum, 1 μF 25WV	
C59	F1J1H152A675	Ceramic, 0.0015 μF 50WV	
C61	YECUS1H183KX	Ceramic, 0.018 μF 50WV	
C62	YECUS1H183KX	Ceramic, 0.018 μF 50WV	
C65	YECUS1H102KX	Ceramic, 0.001 μF 50WV	
C66	F1J1H471A672	Ceramic, 470PF 50WV	
C201	F1J1H152A675	Ceramic, 0.0015 μF 50WV	
C202	F1J1H152A675	Ceramic, 0.0015 μF 50WV	
C203	F2A1H3R3A154	Electrolytic, 3.3 μF 50WV	
C204	F1J1A2250004	Ceramic, 2.2 μF 10WV	
C206	F1J1A2250004	Ceramic, 2.2 μF 10WV	
C207	YECUS1C104KX	Ceramic, 0.1 μF 16WV	
C208	YECUS1C334KX	Ceramic, 0.33 μF 16WV	
C209	F1J1A2250004	Ceramic, 2.2 μF 10WV	
C210	YECUS1C104KX	Ceramic, 0.1 μF 16WV	
C212	YECUZ1C104KX	Ceramic, 0.1 μF 16WV	
C220	F2A1H2R2A154	Electrolytic, 2.2 μF 50WV	
C235	F1J1C184A006	Ceramic, 0.18 μF 16WV	
C236	YECUS1H823KX	Ceramic, 0.082 μF 50WV	

Ref. No.	Part No.	Part Name & Description	Remarks
C237	F1J1C184A006	Ceramic, 0.18 μ F 16WV	
C244	F1J1H152A675	Ceramic, 0.0015 μ F 50WV	
C245	F2A1C101A150	Electrolytic, 100 μ F 16WV	
C247	F2A1H4R7A154	Electrolytic, 4.7 μ F 50WV	
C248	F2A1C470A150	Electrolytic, 47 μ F 16WV	
C249	YECUS1C104KX	Ceramic, 0.1 μ F 16WV	
C251	F2A1H4R7A154	Electrolytic, 4.7 μ F 50WV	
C254	F1J1H152A675	Ceramic, 0.0015 μ F 20WV	
C255	F2A1C101A150	Electrolytic, 100 μ F 16WV	
C257	F2A1H4R7A154	Electrolytic, 4.7 μ F 50WV	
C259	YECUS1C104KX	Ceramic, 0.1 μ F 16WV	
C261	F2A1H4R7A154	Electrolytic, 4.7 μ F 50WV	
C264	YECUS1C474KX	Ceramic, 0.47 μ F 16WV	
C265	F2A1H4R7A154	Electrolytic, 4.7 μ F 50WV	
C268	YECUS1C474KX	Ceramic, 0.47 μ F 16WV	
C271	F1J1H472A675	Ceramic, 0.0047 μ F 50WV	
C272	F1J1H472A675	Ceramic, 0.0047 μ F 50WV	
C274	F2A1C470A150	Electrolytic, 47 μ F 16WV	
C275	F1J1C1050013	Ceramic, 1 μ F 16WV	
C278	YECUS1E104ZF	Ceramic, 0.1 μ F 25WV	
C279	ECA1CDT472Y	Electrolytic, 4700 μ F 16WV	
C301	F1J1H152A675	Ceramic, 0.0015 μ F 50WV	
C302	F1J1H152A675	Ceramic, 0.0015 μ F 50WV	
C303	F2A1H3R3A154	Electrolytic, 3.3 μ F 50WV	
C304	F1J1A2250004	Ceramic, 2.2 μ F 10WV	
C306	F1J1A2250004	Ceramic, 2.2 μ F 10WV	
C308	YECUS1C334KX	Ceramic, 0.33 μ F 16WV	
C309	ECEA1CKS100I	Electrolytic, 10 μ F 16WV	
C310	ECEA1AKS221I	Electrolytic, 220 μ F 10WV	
C320	F2A1H2R2A154	Electrolytic, 2.2 μ F 50WV	
C339	YECUS1H103KX	Ceramic, 0.01 μ F 50WV	
C345	ECEA1CKS100I	Electrolytic, 10 μ F 16WV	
C349	ECEA1AKS221I	Electrolytic, 220 μ F 10WV	
C351	F2A1H4R7A154	Electrolytic, 4.7 μ F 50WV	
C354	F1J1H152A675	Ceramic, 0.0015 μ F 50WV	
C355	F2A1C101A150	Electrolytic, 100 μ F 16WV	
C357	F2A1H4R7A154	Electrolytic, 4.7 μ F 50WV	
C358	F2A1C470A150	Electrolytic, 47 μ F 16WV	

Ref. No.	Part No.	Part Name & Description	Remarks
C359	ECEA1AKS221I	Electrolytic, 220 μF 10WV	
C361	F2A1H4R7A154	Electrolytic, 4.7 μF 50WV	
C364	YECUS1C474KX	Ceramic, 0.47 μF 16WV	
C365	F2A1H4R7A154	Electrolytic, 4.7 μF 50WV	
C368	YECUS1C474KX	Ceramic, 4.7 μF 16WV	
C371	F1J1H472A675	Ceramic, 0.0047 μF 50WV	
C372	F1J1H472A675	Ceramic, 0.0047 μF 50WV	
C374	F2A1H2R2A154	Electrolytic, 2.2 μF 50WV	
C375	ECEA1CKS100I	Electrolytic, 10 μF 16WV	
C378	YECUS1E104ZF	Ceramic, 0.1 μF 25WV	
C401	YECUS1H150JM	Ceramic, 15PF 50WV	
C402	YECUS1H150JM	Ceramic, 15PF 50WV	
C403	F2A0J101A164	Electrolytic, 100 μF 6.3WV	
C404	YECUS1H103KX	Ceramic, 0.01 μF 50WV	
C405	F1H1H101A231	Ceramic, 100PF 50WV	
C411	YECUS1H103KX	Ceramic, 0.01 μF 50WV	
C412	YECUS1E223KX	Ceramic, 0.022 μF 25WV	
C413	ECQV1H104JL2	Plastic Film, 0.1 μF 50WV	
C416	ECEA1AKS221I	Electrolytic, 220 μF 10WV	
C417	ECEA1AKS221I	Electrolytic, 220 μF 10WV	
C418	ECEA1AKS221I	Electrolytic, 220 μF 10WV	
C501	YECUS1H470JM	Ceramic, 47PF 50WV	
C502	YECUS1H270JC	Ceramic, 27PF 50WV	
C504	F2A1C470A150	Electrolytic, 47 μF 16WV	
C505	YECUZ1C104KX	Ceramic, 0.1 μF 16WV	
C506	YECUS1H103KX	Ceramic, 0.01 μF 50WV	
C507	YECUZ1H271JC	Ceramic, 270PF 50WV	
C508	ECEA1CKS100I	Electrolytic, 10 μF 16WV	
C509	F1J1H152A675	Ceramic, 0.0015 μF 50WV	
C601	EECS0HD473H	Electrolytic, 0.047 μF 5.5WV	
C602	F2A0J331A164	Electrolytic, 330 μF 6.3WV	
C605	YECUS1H103KX	Ceramic, 0.01 μF 50WV	
C624	YECUS1C104KX	Ceramic, 0.1 μF 16WV	
C628	YECUZ1C104KX	Ceramic, 0.1 μF 16WV	
C631	YECUZ1C104KX	Ceramic, 0.1 μF 16WV	
C632	F1H1H220A487	Ceramic, 22PF 50WV	
C633	F1H1H220A487	Ceramic, 22PF 50WV	
C634	F1H1H220A487	Ceramic, 22PF 50WV	
C635	F1H1H220A487	Ceramic, 22PF 50WV	
C639	F1H1E103A011	Ceramic, 0.01 μF 25WV	
C651	YECUS1H103KX	Ceramic, 0.01 μF 50WV	

Ref. No.	Part No.	Part Name & Description	Remarks
C652	ECEA1CKS100I	Electrolytic, 10 μ F 16WV	
C660	F2A1H2R2A154	Electrolytic, 2.2 μ F 50WV	
C674	ECEA1AKS221I	Electrolytic, 220 μ F 10WV	
C681	F1H1E103A011	Ceramic, 0.01 μ F 25WV	
C683	ECA1HSA4R7I	Electrolytic, 4.7 μ F 50WV	
C687	ECA1CSA470I	Electrolytic, 47 μ F 16WV	
C688	YECUS1E104ZF	Ceramic, 0.1 μ F 25WV	
C691	YECUS1H103KX	Ceramic, 0.01 μ F 50WV	
C692	YECUS1H103KX	Ceramic, 0.01 μ F 50WV	
C694	F1J1H152A675	Ceramic, 0.0015 μ F 50WV	
C695	YECUS1H103KX	Ceramic, 0.01 μ F 50WV	
C696	F1J1H151A667	Ceramic, 150PF 50WV	
C697	YECUS1H103KX	Ceramic, 0.01 μ F 50WV	
C698	F1J1H101A672	Ceramic, 100PF 50WV	
C699	YECUS1H103KX	Ceramic, 0.01 μ F 50WV	
C701	F2A1C101A150	Electrolytic, 100 μ F 16WV	
C702	F2A1C101A150	Electrolytic, 100 μ F 16WV	
C703	F2A1H4R7A154	Electrolytic, 4.7 μ F 50WV	
C704	F2A0J470A164	Electrolytic, 47 μ F 6.3WV	
C705	F1H1E103A011	Ceramic, 0.01 μ F 25WV	
C706	YECUS1C104KX	Ceramic, 0.1 μ F 16WV	
C707	YECUS1C474KX	Ceramic, 0.47 μ F 16WV	
C708	ECA1AM331I	Electrolytic, 330 μ F 10WV	
C709	ECEA1AKS221I	Electrolytic, 220 μ F 10WV	
C710	ECEA1AKS101I	Electrolytic, 100 μ F 10WV	
C711	F2A0J470A164	Electrolytic, 47 μ F 6.3WV	
C715	ECA1CDT102BQ	Electrolytic, 1000 μ F 16WV	
C717	YECUS1E104ZF	Ceramic, 0.1 μ F 25WV	
C718	YECUS1C104KX	Ceramic, 0.1 μ F 16WV	
C719	EEAFC1A820H	Electrolytic, 82 μ F 10WV	
C752	YECUS1E104ZF	Ceramic, 0.1 μ F 25WV	
C753	YECUS1E104ZF	Ceramic, 0.1 μ F 25WV	
C759	YECUS1E224ZF	Ceramic, 0.22 μ F 25WV	
C760	YECUS1C224KX	Ceramic, 0.22 μ F 16WV	
C761	F2A1C470A150	Electrolytic, 47 μ F 16WV	
C762	ECEA1VKS100I	Electrolytic, 10 μ F 35WV	
C763	ECEA1VKS100I	Electrolytic, 10 μ F 35WV	
C768	ECA1CM470I	Electrolytic, 47 μ F 16WV	
C769	YECUS1E224ZF	Ceramic, 0.22 μ F 25WV	

Ref. No.	Part No.	Part Name & Description	Remarks
C770	YECUS1C224KX	Ceramic, 0.22 μ F 16WV	
C784	YECUS1E224ZF	Ceramic, 0.22 μ F 25WV	
C785	EEAFC1C560H	Electrolytic, 56 μ F 16WV	
C787	YECUS1C224KX	Ceramic, 0.22 μ F 16WV	
C788	YECUS1C224KX	Ceramic, 0.22 μ F 16WV	
C789	F2A1C220A150	Electrolytic, 22 μ F 16WV	
C792	YECUS1C224KX	Ceramic, 0.22 μ F 16WV	
C793	ECA1AM101I	Electrolytic, 100 μ F 10WV	
C795	YECUS1C224KX	Ceramic, 0.22 μ F 16WV	
C796	YECUS1C224KX	Ceramic, 0.22 μ F 16WV	
C797	ECA0JM101I	Electrolytic, 100 μ F 6.3WV	
C805	YECUS1C104KX	Ceramic, 0.1 μ F 16WV	
C806	YECUS1C104KX	Ceramic, 0.1 μ F 16WV	
C807	YECUZ1C104KX	Ceramic, 0.1 μ F 16WV	
C808	YECUS1C104KX	Ceramic, 0.1 μ F 16WV	
C809	YECUS1H103KX	Ceramic, 0.01 μ F 50WV	
J406	F1J1H152A675	Ceramic, 0.0015 μ F 50WV	
J407	YECUS1H103KX	Ceramic, 0.01 μ F 50WV	
J410	F1J1H221A672	Ceramic, 220PF 50WV	
J540	YECUV2A152KX	Ceramic, 0.0015 μ F 100WV	
RESISTORs			
C231	ERJ6GEY0R00V	Chip, 0 Ω 1/10W	
C263	ERJ6GEY0R00V	Chip, 0 Ω 1/10W	
C267	ERJ6GEY0R00V	Chip, 0 Ω 1/10W	
C363	ERJ6GEY0R00V	Chip, 0 Ω 1/10W	
C367	ERJ6GEY0R00V	Chip, 0 Ω 1/10W	
J401	ERJ6GEY0R00V	Chip, 0 Ω 1/10W	
J402	ERJ6GEY0R00V	Chip, 0 Ω 1/10W	
J403	ERJ6GEY0R00V	Chip, 0 Ω 1/10W	
J404	ERJ6GEY0R00V	Chip, 0 Ω 1/10W	
J405	ERJ6GEY0R00V	Chip, 0 Ω 1/10W	
J501	ERJ8GEY0R00V	Chip, 0 Ω 1/8W	
J502	ERJ8GEY0R00V	Chip, 0 Ω 1/8W	
J503	ERJ8GX0R00V	Chip, 0 Ω 1/8W	
J504	ERJ8GX0R00V	Chip, 0 Ω 1/8W	
J505	ERJ8GX0R00V	Chip, 0 Ω 1/8W	
J506	ERJ8GX0R00V	Chip, 0 Ω 1/8W	
J507	ERJ8GX0R00V	Chip, 0 Ω 1/8W	
J508	ERJ8GX0R00V	Chip, 0 Ω 1/8W	
J510	ERJ8GX0R00V	Chip, 0 Ω 1/8W	

Ref. No.	Part No.	Part Name & Description	Remarks
J511	ERJ8GX0R00V	Chip, 0 Ω 1/8W	
J512	ERJ8GX0R00V	Chip, 0 Ω 1/8W	
J513	ERJ8GX0R00V	Chip, 0 Ω 1/8W	
J514	ERJ8GX0R00V	Chip, 0 Ω 1/8W	
J515	ERJ8GX0R00V	Chip, 0 Ω 1/8W	
J516	ERJ8GX0R00V	Chip, 0 Ω 1/8W	
J517	ERJ8GX0R00V	Chip, 0 Ω 1/8W	
J518	ERJ8GX0R00V	Chip, 0 Ω 1/8W	
J519	ERJ8GX0R00V	Chip, 0 Ω 1/8W	
J520	ERJ8GX0R00V	Chip, 0 Ω 1/8W	
J521	ERJ8GX0R00V	Chip, 0 Ω 1/8W	
J522	ERJ8GX0R00V	Chip, 0 Ω 1/8W	
J523	ERJ8GX0R00V	Chip, 0 Ω 1/8W	
J524	ERJ8GX0R00V	Chip, 0 Ω 1/8W	
J525	ERJ8GX0R00V	Chip, 0 Ω 1/8W	
J526	ERJ8GX0R00V	Chip, 0 Ω 1/8W	
J527	ERJ8GX0R00V	Chip, 0 Ω 1/8W	
J528	ERJ8GX0R00V	Chip, 0 Ω 1/8W	
J529	ERJ8GX0R00V	Chip, 0 Ω 1/8W	
J530	ERJ8GX0R00V	Chip, 0 Ω 1/8W	
J531	ERJ8GX0R00V	Chip, 0 Ω 1/8W	
J532	ERJ8GX0R00V	Chip, 0 Ω 1/8W	
J533	ERJ8GX0R00V	Chip, 0 Ω 1/8W	
J534	ERJ8GX0R00V	Chip, 0 Ω 1/8W	
J535	ERJ8GX0R00V	Chip, 0 Ω 1/8W	
J536	ERJ8GX0R00V	Chip, 0 Ω 1/8W	
J537	ERJ8GX0R00V	Chip, 0 Ω 1/8W	
J538	ERJ8GX0R00V	Chip, 0 Ω 1/8W	
J541	ERJ8GX0R00V	Chip, 0 Ω 1/8W	
J544	ERJ8GEY0R00V	Chip, 0 Ω 1/8W	
J545	ERJ8GEY0R00V	Chip, 0 Ω 1/8W	
J546	ERJ8GX0R00V	Chip, 0 Ω 1/8W	
L290	ERJ6GEY0R00V	Chip, 0 Ω 1/10W	
L291	ERJ6GEY0R00V	Chip, 0 Ω 1/10W	
L292	ERJ6GEY0R00V	Chip, 0 Ω 1/10W	
L295	ERJ6GEYJ4R7	Chip, 4.7 Ω 1/10W	
L296	ERJ6GEYJ4R7	Chip, 4.7 Ω 1/10W	
L298	ERJ6GEY0R00V	Chip, 0 Ω 1/10W	
L299	ERJ6GEY0R00V	Chip, 0 Ω 1/10W	
L393	ERJ6GEY0R00V	Chip, 0 Ω 1/10W	
L394	ERJ6GEY0R00V	Chip, 0 Ω 1/10W	
L395	ERJ6GEYJ4R7	Chip, 4.7 Ω 1/10W	
L396	ERJ6GEYJ4R7	Chip, 4.7 Ω 1/10W	
L398	ERJ6GEY0R00V	Chip, 0 Ω 1/10W	

Ref. No.	Part No.	Part Name & Description	Remarks
L399	ERJ6GEY0R00V	Chip, 0 Ω 1/10W	
R50	ERJ6GEYJ5R6	Chip, 5.6 Ω 1/10W	
R51	ERJ6GEY0R00V	Chip, 0 Ω 1/10W	
R54	ERJ6GEYJ101	Chip, 100 Ω 1/10W	
R55	ERJ6GEYJ331	Chip, 330 Ω 1/10W	
R58	ERJ3GEYJ822V	Chip, 8.2k Ω 1/16W	
R59	ERJ3GEYJ104V	Chip, 100k Ω 1/16W	
R65	ERJ6GEYJ393	Chip, 39k Ω 1/10W	
R66	ERJ6GEYJ334	Chip, 330k Ω 1/10W	
R67	ERJ6GEYJ222	Chip, 2.2k Ω 1/10W	
R68	ERJ6GEYJ102	Chip, 1k Ω 1/10W	
R201	ERJ6GEYJ102	Chip, 1k Ω 1/10W	
R202	ERJ6GEYJ102	Chip, 1k Ω 1/10W	
R204	ERJ3GEYJ562V	Chip, 5.6k Ω 1/16W	
R205	ERJ3GEYJ103V	Chip, 10k Ω 1/16W	
R206	ERJ6GEYJ472	Chip, 4.7k Ω 1/10W	
R207	ERJ6GEYJ123	Chip, 12k Ω 1/10W	
R208	ERJ3GEYJ363V	Chip, 36k Ω 1/16W	
R225	ERJ3GEYJ102V	Chip, 1k Ω 1/16W	
R226	ERJ3GEYJ102V	Chip, 1k Ω 1/16W	
R227	ERJ3GEYJ123V	Chip, 12k Ω 1/16W	
R231	ERJ3GEYJ223V	Chip, 22k Ω 1/16W	
R233	ERJ6GEYJ103	Chip, 10k Ω 1/10W	
R235	ERJ3GEYJ103V	Chip, 10k Ω 1/16W	
R237	ERJ3GEYJ224V	Chip, 220k Ω 1/16W	
R238	ERJ6GEY0R00V	Chip, 0 Ω 1/10W	
R244	ERJ3GEYJ393V	Chip, 39k Ω 1/16W	
R245	ERJ3GEYJ273V	Chip, 27k Ω 1/16W	
R248	ERJ6GEYJ4R7	Chip, 4.7 Ω 1/10W	
R252	ERJ3GEYJ393V	Chip, 39k Ω 1/16W	
R253	ERJ3GEYJ273V	Chip, 27k Ω 1/16W	
R254	ERJ3GEYJ393V	Chip, 39k Ω 1/16W	
R255	ERJ3GEYJ273V	Chip, 27k Ω 1/16W	
R261	ERJ6GEYJ560	Chip, 56 Ω 1/10W	
R262	ERJ3GEYJ103V	Chip, 10k Ω 1/16W	
R263	ERJ6GEYJ561	Chip, 560 Ω 1/10W	
R265	ERJ6GEYJ560	Chip, 56 Ω 1/10W	
R266	ERJ3GEYJ103V	Chip, 10k Ω 1/16W	
R267	ERJ6GEYJ561	Chip, 560 Ω 1/10W	
R275	ERJ6GEYJ223	Chip, 22k Ω 1/10W	
R301	ERJ6GEYJ102	Chip, 1k Ω 1/10W	
R302	ERJ6GEYJ102	Chip, 1k Ω 1/10W	
R304	ERJ3GEYJ562V	Chip, 5.6k Ω 1/16W	
R305	ERJ3GEYJ103V	Chip, 10k Ω 1/16W	

Ref. No.	Part No.	Part Name & Description	Remarks
R306	ERJ6GEYJ472	Chip, 4.7k Ω 1/10W	
R307	ERJ6GEYJ123	Chip, 12k Ω 1/10W	
R308	ERJ3GEYJ363V	Chip, 36k Ω 1/16W	
R331	ERJ3GEYJ223V	Chip, 22k Ω 1/16W	
R337	ERJ6GEY0R00V	Chip, 0 Ω 1/10W	
R345	ERJ6GEYJ560	Chip, 56 Ω 1/10W	
R346	ERJ3GEYJ223V	Chip, 22k Ω 1/16W	
R348	ERJ6GEYJ4R7	Chip, 4.7 Ω 1/10W	
R352	ERJ3GEYJ393V	Chip, 39k Ω 1/16W	
R353	ERJ3GEYJ273V	Chip, 27k Ω 1/16W	
R354	ERJ6GEYJ393	Chip, 39k Ω 1/10W	
R355	ERJ6GEYJ273	Chip, 27k Ω 1/10W	
R361	ERJ6GEYJ560	Chip, 56 Ω 1/10W	
R362	ERJ3GEYJ103V	Chip, 10k Ω 1/16W	
R363	ERJ6GEYJ561	Chip, 560 Ω 1/10W	
R365	ERJ6GEYJ560	Chip, 56 Ω 1/10W	
R366	ERJ3GEYJ103V	Chip, 10k Ω 1/16W	
R367	ERJ6GEYJ561	Chip, 560 Ω 1/10W	
R372	ERJ3GEYJ103V	Chip, 10k Ω 1/16W	
R374	ERJ3GEYJ183V	Chip, 18k Ω 1/16W	
R375	ERJ6GEYJ562	Chip, 5.6k Ω 1/10W	
R376	ERJ3GEYJ103V	Chip, 10k Ω 1/16W	
R377	ERJ3GEY0R00V	Chip, 0 Ω 1/16W	
R401	ERJ3GEYJ152V	Chip, 1.5k Ω 1/16W	
R402	ERJ3GEYJ472V	Chip, 4.7k Ω 1/16W	
R403	ERJ3GEYJ473V	Chip, 47k Ω 1/16W	
R404	ERJ3GEYJ102V	Chip, 1k Ω 1/16W	
R405	ERJ3GEYJ102V	Chip, 1k Ω 1/16W	
R406	ERJ3GEYJ102V	Chip, 1k Ω 1/16W	
R407	ERJ3GEYJ102V	Chip, 1k Ω 1/16W	
R408	ERJ3GEYJ473V	Chip, 47k Ω 1/16W	
R409	ERJ3GEYJ102V	Chip, 1k Ω 1/16W	
R410	ERJ3GEY0R00V	Chip, 0 Ω 1/16W	
R411	ERJ3GEY0R00V	Chip, 0 Ω 1/16W	
R413	ERJ6GEYJ182	Chip, 1.8k Ω 1/10W	
R414	ERJ8GEYJ561V	Chip, 560 Ω 1/8W	
R417	ERJ6GEYJ100	Chip, 10 Ω 1/10W	
R501	ERJ6GEYJ225V	Chip, 2.2M Ω 1/10W	
R504	ERJ6GEYJ331	Chip, 330 Ω 1/10W	
R506	ERJ3GEYJ103V	Chip, 10k Ω 1/16W	
R507	ERJ3GEYJ103V	Chip, 10k Ω 1/16W	
R602	ERJ3GEYJ473V	Chip, 47k Ω 1/16W	
R604	ERJ3GEYJ473V	Chip, 47k Ω 1/16W	
R605	ERJ6GEYJ222	Chip, 2.2k Ω 1/10W	

Ref. No.	Part No.	Part Name & Description	Remarks
R606	ERJ3GEYJ102V	Chip, 1k Ω 1/16W	
R609	ERJ3GEYJ154V	Chip, 150k Ω 1/16W	
R610	ERJ6GEY0R00V	Chip, 0 Ω 1/10W	
R612	ERJ6GEYJ222	Chip, 2.2k Ω 1/10W	
R613	ERJ3GEYJ102V	Chip, 1k Ω 1/16W	
R614	ERJ3GEYJ102V	Chip, 1k Ω 1/16W	
R615	ERJ3GEYJ102V	Chip, 1k Ω 1/16W	
R616	ERJ3GEYJ102V	Chip, 1k Ω 1/16W	
R617	ERJ3GEYJ102V	Chip, 1k Ω 1/16W	
R619	ERJ3GEYJ102V	Chip, 1k Ω 1/16W	
R621	ERJ3GEY0R00V	Chip, 0 Ω 1/16W	
R623	ERJ6GEYJ332	Chip, 3.3k Ω 1/10W	
R624	ERJ3GEYJ472V	Chip, 4.7k Ω 1/16W	
R625	ERJ3GEYJ103V	Chip, 10k Ω 1/16W	
R626	ERJ6GEYJ103	Chip, 10k Ω 1/10W	
R628	ERJ3GEYJ184V	Chip, 180k Ω 1/16W	
R632	ERJ3GEY0R00V	Chip, 0 Ω 1/16W	
R633	ERJ6GEYJ472	Chip, 4.7k Ω 1/10W	
R634	ERJ3GEYJ564V	Chip, 560k Ω 1/16W	
R638	ERJ3GEYJ102V	Chip, 1k Ω 1/16W	
R639	ERJ3GEYJ333V	Chip, 33k Ω 1/16W	
R640	ERJ3GEYJ473V	Chip, 47k Ω 1/16W	
R641	ERJ6GEYJ473	Chip, 47k Ω 1/10W	
R642	ERJ6GEYJ681	Chip, 680 Ω 1/10W	
R643	ERJ3GEYJ102V	Chip, 1k Ω 1/16W	
R644	ERJ3GEYJ391V	Chip, 390 Ω 1/16W	
R645	ERJ3GEYJ391V	Chip, 390 Ω 1/16W	
R650	ERJ6GEYJ104	Chip, 100k Ω 1/10W	
R651	ERJ6GEYJ104	Chip, 100k Ω 1/10W	
R652	ERJ6GEYJ104	Chip, 100k Ω 1/10W	
R653	ERJ3GEYJ104V	Chip, 100k Ω 1/16W	
R660	ERJ3GEYJ561V	Chip, 560 Ω 1/16W	
R661	ERJ3GEYJ562V	Chip, 5.6k Ω 1/16W	
R662	ERJ3GEYJ473V	Chip, 47k Ω 1/16W	
R664	ERJ6GEYJ471	Chip, 470 Ω 1/10W	
R666	ERJ6GEYJ184	Chip, 180k Ω 1/10W	
R667	ERJ6GEYJ103	Chip, 10k Ω 1/10W	
R671	ERJ6GEY0R00V	Chip, 0 Ω 1/10W	
R672	ERJ6GEYJ102	Chip, 1k Ω 1/10W	
R673	ERJ6GEYJ184	Chip, 180k Ω 1/10W	
R674	ERJ6GEYJ102	Chip, 1k Ω 1/10W	
R676	ERJ6GEYJ102	Chip, 1k Ω 1/10W	
R678	ERJ6GEYJ561	Chip, 560 Ω 1/10W	
R679	ERJ6GEYJ561	Chip, 560 Ω 1/10W	

Ref. No.	Part No.	Part Name & Description	Remarks
R681	ERJ6GEYJ102	Chip, 1k Ω 1/10W	
R682	ERJ3GEYJ104V	Chip, 100k Ω 1/16W	
R686	ERJ3GEY0R00V	Chip, 0 Ω 1/16W	
R688	ERJ6GEY0R00V	Chip, 0 Ω 1/10W	
R690	ERJ6GEYJ332	Chip, 3.3k Ω 1/10W	
R691	ERJ6GEYJ222	Chip, 2.2k Ω 1/10W	
R692	ERJ6GEYJ222	Chip, 2.2k Ω 1/10W	
R693	ERJ6GEYJ102	Chip, 1k Ω 1/10W	
R696	ERJ6GEYJ222	Chip, 2.2k Ω 1/10W	
R697	ERJ6GEYJ332	Chip, 3.3k Ω 1/10W	
R698	ERJ6GEYJ332	Chip, 3.3k Ω 1/10W	
R699	ERJ6GEYJ332	Chip, 3.3k Ω 1/10W	
R700	ERJ8GEYJ270V	Chip, 27 Ω 1/8W	
R701	ERJ8GEYJ270V	Chip, 27 Ω 1/8W	
R702	ERJ6GEYJ103	Chip, 10k Ω 1/10W	
R703	ERJ6GEYJ472	Chip, 4.7k Ω 1/10W	
R704	ERJ6GEYJ274	Chip, 270k Ω 1/10W	
R705	ERJ6GEYJ433	Chip, 43k Ω 1/10W	
R706	ERJ3GEYJ472V	Chip, 4.7k Ω 1/16W	
R707	ERJ3GEYJ224V	Chip, 220K Ω 1/16W	
R708	ERJ3GEYJ433V	Chip, 43k Ω 1/16W	
R709	ERJ8GEYJ473V	Chip, 47k Ω 1/8W	
R710	ERDS1FJ821	Carbon, 820 Ω 1/2W	
R711	ERDS1FJ821	Carbon, 820 Ω 1/2W	
R712	ERJ8GEYJ1R0V	Chip, 1.0 Ω 1/8W	
R713	ERJ8GEYJ1R0V	Chip, 1.0 Ω 1/8W	
R714	ERJ6GEYJ821	Chip, 820 Ω 1/10W	
R715	ERJ6GEYJ681	Chip, 680 Ω 1/10W	
R716	ERJ8GEYJ151V	Chip, 150 ohms 1/8W	
R717	ERJ8GEYJ151V	Chip, 150 ohms 1/8W	
R731	ERJ3GEYJ102V	Chip, 1k Ω 1/16W	
R732	ERJ6GEYJ223	Chip, 22k Ω 1/10W	
R733	ERJ6GEYJ223	Chip, 22k Ω 1/10W	
R753	ERJ6GEYJ102	Chip, 1k Ω 1/10W	
R758	ERJ8GEYJ152V	Chip, 1.5k Ω 1/8W	
R759	ERJ6GEYJ473	Chip, 47k Ω 1/10W	
R769	ERJ3GEYJ101V	Chip, 100 Ω 1/16W	
R770	ERJ6GEYJ473	Chip, 47k Ω 1/10W	
R803	ERJ6GEYJ104	Chip, 100k Ω 1/10W	
R804	ERJ3GEYJ152V	Chip, 1.5k Ω 1/16W	
CONNECTORs			
CN600	YEAE012795	Connector, 6P	
CN601	YEAE0115MX	Connector, 15P	
CN602	YEAE0104MX	Connector, 4P	

Ref. No.	Part No.	Part Name & Description	Remarks
CN661	K1HA149A0001	Connector, 7P	
CN680	YEAE012307	Connector, 8P DIN	
CN681	YEAE012763	Connector, 14P	
CN701	K1FA116B0028	Connector, 16P	
CP641	YEAE012761	Connector, 14P	
CJ640	K1KA15A00096	Connector, 15P	
CJ642	K1KA04A00296	Connector, 4P	
SWITCHEs			
SW601	YEAS08042	Switch	
SW610	K0H1BA000445	Switch	
CRYSTALs			
XL401	H0D720400006	Crystal OSC	
XL501	H0D433400003	Crystal OSC	
XL601	H0D125500006	Crystal OSC	
XL602	YEXLMC60327	Crystal OSC	
COILs			
L50	G1C150K00011	Coil	
L52	G1CR56K00009	Coil	
L401	YELT03N101JT	Coil	
L501	YELT03N330JT	Coil	
L504	YELT03N330JT	Coil	
L671	ELEAR330KA	Coil	
L691	YELT03N330JT	Coil	
L701	YELTBL01R1AT	Coil	
L702	YETQ026T164	Coil	
L704	YELT02C470KT	Coil	
LAMPs			
Z50	YEAL02010T	Neon Lamp	
RESISTOR NETWORKs			
R620	EXBV8V102JV	Resistor Network	
THERMISTORs			
PT701	YERT7AR4R7MT	Thermistor	
Fuse			
FU901	YEAFSSFC0R4A	Fuse, 0.4A	⚠
[E9227] Display Block			
ICs and TRANSISTORs			
IC900	C2DBKJ000126	IC	
IC901	C3FBPD000029	IC	
IC902	MN1382RTX	IC	
IC904	YEAM7200U33T	IC	
Q901	B1GBCFNN0004	Transistor	

Ref. No.	Part No.	Part Name & Description	Remarks
Q902	YEANFP1F3PT1	Transistor	
Q903	B1GBCFNN0004	Transistor	
Q904	YEANA114WKTX	Transistor	
Q905	B1GBCFNN0004	Transistor	
Q906	B1GBCFNN0004	Transistor	
Q908	B1GBCFNN0004	Transistor	
Q913	YEANSSTA06T	Transistor	
Q914	YEANSSTA06T	Transistor	
Q915	B1GBCFNN0004	Transistor	
Q916	B1GDCFNN0002	Transistor	
DIODEs			
D901	MA8056LMHTX	Diode	
D902	MAZ80390LL	Diode	
D903	B3AAB0000143	LED	
D904	MA8056LMHTX	Diode	
D905	MA152WATX	Diode	
D906	MA152WKTX	Diode	
D910	MAZ80390LL	Diode	
D911	MAZ80390LL	Diode	
D912	MAZ80390LL	Diode	
D914	MA8056LMHTX	Diode	
D915	MAZ81800ML	Diode	
D916	MAZ80390LL	Diode	
IC903	B3MBZ0000006	LED	
CAPACITORs			
C901	YECUS1C105ZF	Ceramic, 1 μ F 16WV	
C902	YECUS1C105ZF	Ceramic, 1 μ F 16WV	
C903	F1J1H102A672	Ceramic, 0.001 μ F 50WV	
C904	YECUZ1C104KX	Ceramic, 0.1 μ F 16WV	
C905	YECUZ1C104KX	Ceramic, 0.1 μ F 16WV	
C906	YECUZ1C104KX	Ceramioc, 0.1 μ F 16WV	
C907	YECUZ1C104KX	Ceramic, 0.1 μ F 16WV	
C908	ECST1CX106R	Tantalum, 10 μ F 16WV	
C909	F1J1H8R0A007	Ceramic, 8PF 50WV	
C910	F1J1H8R0A007	Ceramic, 8PF 50WV	
C911	YECUS1C105ZF	Ceramic, 1 μ F 16WV	
C912	YECUS1C104KX	Ceramic, 0.1 μ F 16WV	
C913	YECUZ1C104KX	Ceramic, 0.1 μ F 16WV	
C914	YECUS1C104KX	Ceramic, 0.1 μ F 16WV	
C922	ECST1AX226R	Tantalum, 22 μ F 10WV	
C923	YECUS1C104KX	Ceramic, 0.1 μ F 16WV	
C924	ECST1AX226R	Tantalum, 22 μ F 10WV	
C925	F2H1C2200001	Electrolytic, 22 μ F 16WV	

Ref. No.	Part No.	Part Name & Description	Remarks
C926	F1J1H562A675	Ceramic, 0.0056 μ F 50WV	
C927	YECUS1E104ZF	Ceramic, 0.1 μ F 25WV	
C928	F0F2A2230001	Plastic Film, 0.022 μ F 100WV	
C929	F1L3F1500001	Ceramic, 15PF 3160WV	
C931	YECUV1C225KX	Ceramic, 2.2 μ F 16WV	
C932	YECUV1C225KX	Ceramic, 2.2 μ F 16WV	
C933	YECUV1C225KX	Ceramic, 2.2 μ F 16WV	
C934	YECUV1C225KX	Ceramic, 2.2 μ F 16WV	
C935	YECUV1C225KX	Ceramic, 2.2 μ F 16WV	
C936	YECUV1C225KX	Ceramic, 2.2 μ F 16WV	
C937	YECUZ1C104KX	Ceramic, 0.1 μ F 16WV	
C938	YECUS1C104KX	Ceramic, 0.1 μ F 16WV	
C939	YECUV1C225KX	Ceramic, 2.2 μ F 16WV	
C940	YECUZ1C104KX	Ceramic, 0.1 μ F 16WV	
C941	YECUZ1C104KX	Ceramic, 0.1 μ F 16WV	
C942	YECUV1C225KX	Ceramic, 2.2 μ F 16WV	
C973	YECUZ1H103KX	Ceramic, 0.01 μ F 50WV	
C974	YECUZ1H103KX	Ceramic, 0.01 μ F 50WV	
RESISTORs			
R901	ERJ3GEYJ473V	Chip, 47k Ω 1/16W	
R902	ERJ3GEYJ122V	Chip, 1.2k Ω 1/16W	
R903	ERJ3GEYJ222V	Chip, 2.2k Ω 1/16W	
R904	ERJ3GEYJ302V	Chip, 3k Ω 1/16W	
R905	ERJ3GEYJ124V	Chip, 12k Ω 1/16W	
R906	ERJ3GEYJ153V	Chip, 15k Ω 1/16W	
R907	ERJ6GEYJ101	Chip, 100 Ω 1/10W	
R908	ERJ3GEYJ821V	Chip, 820 Ω 1/16W	
R909	ERJ3GEYJ473V	Chip, 47k Ω 1/16W	
R910	ERJ3GEYJ122V	Chip, 1.2 Ω 1/16W	
R912	ERJ3GEYJ473V	Chip, 47k Ω 1/16W	
R913	ERJ3GEY0R00V	Chip, 0 Ω 1/16W	
R914	ERJ3GEYJ221V	Chip, 220 Ω 1/16W	
R915	ERJ3GEYJ221V	Chip, 220 Ω 1/16W	
R916	ERJ3GEYJ302V	Chip, 30k Ω 1/16W	
R917	ERJ3GEYJ103V	Chip, 10k Ω 1/16W	
R918	ERJ3GEYJ222V	Chip, 2.2k Ω 1/16W	
R919	ERJ3GEYJ222V	Chip, 2.2k Ω 1/16W	
R920	ERJ3GEYJ222V	Chip, 2.2k Ω 1/16W	
R921	ERJ3GEYJ222V	Chip, 2.2k Ω 1/16W	
R922	ERJ3GEYJ302V	Chip, 3k Ω 1/16W	
R923	ERJ3GEYJ182V	Chip, 1.8k Ω 1/16W	

Ref. No.	Part No.	Part Name & Description	Remarks
R924	ERJ3GEYJ101V	Chip, 100 Ω 1/16W	
R926	ERJ3GEYJ221V	Chip, 220 Ω 1/16W	
R927	ERJ3GEYJ472V	Chip, 4.7k Ω 1/16W	
R928	ERJ3GEYJ473V	Chip, 47k Ω 1/16W	
R929	ERJ3GEYJ274V	Chip, 270k Ω 1/16W	
R931	ERJ3GEYJ473V	Chip, 47k Ω 1/16W	
R942	ERJ3GEYJ184V	Chip, 180k Ω 1/16W	
R943	ERJ3GEYJ184V	Chip, 180k Ω 1/16W	
R944	ERJ3GEYJ184V	Chip, 180k Ω 1/16W	
R962	ERJ3GEY0R00V	Chip, 0 Ω 1/16W	
R964	ERJ6GEYJ681	Chip, 680 Ω 1/10W	
R965	ERJ6GEYJ472	Chip, 4.7k Ω 1/10W	
R966	ERJ6GEYJ472	Chip, 4.7k Ω 1/10W	
R967	ERJ3GEY0R00V	Chip, 0 Ω 1/16W	
R969	ERJ3GEYJ473V	Chip, 47k Ω 1/16W	
R970	ERJ3GEYJ102V	Chip, 1k Ω 1/16W	
R971	ERJ3GEYJ103V	Chip, 10k Ω 1/16W	
R972	ERJ3GEYJ103V	Chip, 10k Ω 1/16W	
R973	ERJ3GEYJ103V	Chip, 10k Ω 1/16W	
R974	ERJ3GEYJ103V	Chip, 10k Ω 1/16W	
CONNECTORs			
CN901	YEAE012760	Connector, 14P	
CN902	K1MN40B00006	Connector, 40P	
SWITCHEs			
SW902	K0H1BA000445	Switch	
SW903	K0H1BA000445	Switch	
SW904	K0H1BA000445	Switch	
SW905	K0H1BA000445	Switch	
SW906	K0H1BA000445	Switch	
SW907	K0H1BA000445	Switch	
SW908	K0H1BA000445	Switch	
SW909	K0H1BA000445	Switch	
SW910	K0H1BA000445	Switch	
SW911	K0H1BA000445	Switch	
SW912	K0H1BA000445	Switch	
CRYSTALs			
XL900	H0J167500008	Crystal OSC	
CERAMIC FILTERs			
FB901	J0JHC0000026	Noise Filter	
FB902	J0JHC0000026	Noise Filter	
FB903	J0JHC0000026	Noise Filter	

Ref. No.	Part No.	Part Name & Description	Remarks
COILs			
L907	G1C101M00014	Coil	
L908	G5C1AAA00001	Power Transformer	
VOLUME			
SW901	K9AA015B0037	Volume	
LCD			
LCD901	L5F000000007	LCD Display	
LAMPs			
CFL901	A2CA00000034	Display Tube	
RESISTOR NETWORKs			
RA901	D1H822140004	Resistor Network	
RA902	D1H822140004	Resistor Network	
RA903	D1H822140004	Resistor Network	
RA904	D1H822140004	Resistor Network	
RA905	D1H822140004	Resistor Network	
RA906	D1H822140004	Resistor Network	
RA907	D1H822140004	Resistor Network	
RA908	D1H822140004	Resistor Network	
RA909	D1H822140004	Resistor Network	
RA910	D1H822140004	Resistor Network	
RA911	D1H822140004	Resistor Network	
THERMISTORs			
TH900	D4CC14730002	Thermistor	
[E9202] CD Servo Block			
IC's and TRANSISTORs			
IC101	C1BB00000624	IC	
IC201	MN662792ABUC	IC	
IC202	C3ABMB000034	IC	
IC301	MN101C61GAH	IC	
IC901	C0GBY0000012	IC	
Q1	B3HB00000012	Transistor	
Q3	B3HB00000012	Transistor	
Q6	B3HB00000012	Transistor	
Q101	2SB766ATX	Transistor	
Q451	B1GBCFCJ0005	Transistor	
Q521	B1GBCFCJ0005	Transistor	
Q901	B1BDCD000002	Transistor	
Q902	2SB766ATX	Transistor	
Q903	B1GDCFJN0011	Transistor	

Ref. No.	Part No.	Part Name & Description	Remarks
DIODEs			
D1	YEADAN1102W	Diode	
D3	YEADAN1102W	Diode	
D6	YEADAN1102W	Diode	
D301	MA152WKTX	Diode	
D901	MA152WATX	Diode	
CAPACITORs			
C101	YECUZ1C104KX	Ceramic, 0.1mF 16WV	
C102	YECUZ1C104KX	Ceramic, 0.1mF 16WV	
C103	F3H0J1070005	Tantalum, 100mF 6.3WV	
C104	YECUZ1C104KX	Ceramic, 0.1mF 16WV	
C105	YECUZ1C104KX	Ceramic, 0.1mF 16WV	
C106	F1H1H821A190	Ceramic, 820PF 50WV	
C107	YECUZ1C104KX	Ceramic, 0.1mF 16WV	
C108	F1H1H682A190	Ceramic, 0.0068mF 50WV	
C109	F1H1H222A190	Ceramic, 0.0022mF 50WV	
C110	F1K0J1060015	Ceramic, 10mF 6.3WV	
C111	F1H1H101A231	Ceramic, 100PF 50WV	
C112	F1K0J1060015	Ceramic, 10mF 6.3WV	
C113	YECUZ1C104KX	Ceramic, 0.1mF 16WV	
C114	F1H1H681A021	Ceramic, 680PF 50WV	
C115	YECUZ1H271JC	Ceramic, 270PF 50WV	
C116	YECUZ1H103KX	Ceramic, 0.01mF 50WV	
C117	YECUZ1H103KX	Ceramic, 0.01mF 50WV	
C120	YECSW0J226MA	Tantalum, 22mF 6.3WV	
C121	YECUZ1C104KX	Ceramic, 0.1mF 16WV	
C122	F1H1H101A231	Ceramic, 100PF 50WV	
C123	F1H1H101A231	Ceramic, 100PF 50WV	
C124	F1H1H101A231	Ceramic, 100PF 50WV	
C125	F1H1H101A231	Ceramic, 100PF 50WV	
C201	YECUZ1C104KX	Ceramic, 0.1mF 16WV	
C204	F1H1E123A011	Ceramic, 0.012mF 25WV	
C206	F1K0J1060015	Ceramic, 10mF 6.3WV	
C208	ECEV0JA470SR	Electrolytic, 47mF 6.3WV	
C209	F1K0J1060015	Ceramic, 10mF 6.3WV	
C210	F1H0J1050010	Ceramic, 1mF 6.3WV	
C211	F1H0J1050010	Ceramic, 1mF 6.3WV	
C213	F1H1H102A021	Ceramic, 0.001mF 50WV	
C214	YECUZ1E223KX	Ceramic, 0.022mF 25WV	
C215	YECUZ1C104KX	Ceramic, 0.1mF 16WV	
C216	YECUZ1C104KX	Ceramic, 0.1mF 16WV	
C217	YECUZ1C104KX	Ceramic, 0.1mF 16WV	
C218	YECUZ1C104KX	Ceramic, 0.1mF 16WV	
C315	YECUZ1C104KX	Ceramic, 0.1mF 16WV	
C316	YECUZ1H103KX	Ceramic, 0.001mF 50WV	
C321	YECUZ1C104KX	Ceramic, 0.1mF 16WV	
C401	F1H0J1050010	Ceramic, 1mF 6.3WV	
C521	F1H1H820A231	Ceramic, 82PF 50WV	
C522	F1H1H820A231	Ceramic, 82PF 50WV	
C523	F1H1H820A231	Ceramic, 82PF 50WV	
C531	YECUZ1C104KX	Ceramic, 0.1mF 16WV	
C532	YECUZ1C104KX	Ceramic, 0.1mF 16WV	

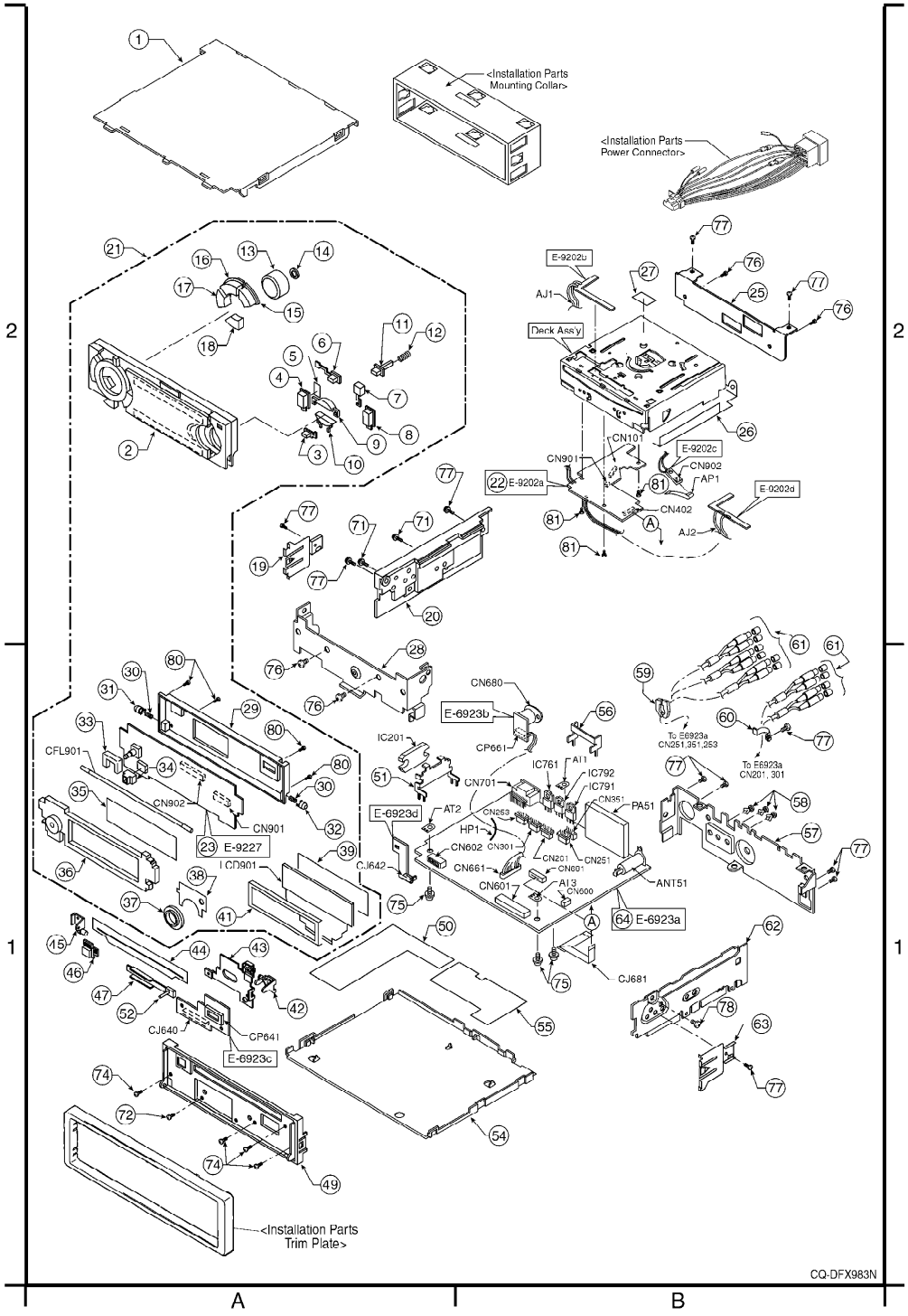
Ref. No.	Part No.	Part Name & Description	Remarks
C541	YECUZ1C104KX	Ceramic, 0.1mF 16WV	
C901	YECUZ1C333KX	Ceramic, 0.033mF 16WV	
C902	F1H0J1050010	Ceramic, 1mF 6.3WV	
C903	YECUZ1C104KX	Ceramic, 0.1mF 16WV	
C904	ECEV1AA330SR	Electrolytic, 33mF 10WV	
C905	YECUZ1C104KX	Ceramic, 0.1mF 16WV	
C906	ECEV0JA470SR	Electrolytic, 47mF 6.3WV	
C907	YECUZ1C104KX	Ceramic, 0.1mF 16WV	
C908	YECUZ1C104KX	Ceramic, 0.1mF 16WV	
C909	ECEV0GA470SR	Electrolytic, 47mF 4WV	
C910	YECUZ1C104KX	Ceramic, 0.1mF 16WV	
C911	YECUZ1C104KX	Ceramic, 0.1mF 16WV	
C912	YECUZ1C104KX	Ceramic, 0.1mF 16WV	
C913	ECEV1AA330SR	Electrolytic, 33mF 10WV	
C914	YECUZ1H103KX	Ceramic, 0.01mF 50WV	
C915	YECUZ1H103KX	Ceramic, 0.01mF 50WV	
C916	YECUZ1C104KX	Ceramic, 0.1mF 16WV	
C917	YECUZ1C104KX	Ceramic, 0.1mF 16WV	
C918	F3G1A336A001	Tantalum, 33mF 10WV	
C919	F1H1H100A226	Ceramic, 10PF 50WV	
L903	F1Z1E2220001	Ceramic, 0.0022mF 25WV	
RESISTORs			
R101	ERJ6GEYJ1R0	Chip, 1kW 1/10W	
R104	ERJ3GEYJ223V	Chip, 22kW 1/16W	
R105	ERJ3GEYJ102V	Chip, 1kW 1/16W	
R106	ERJ3GEYJ563V	Chip, 56kW 1/16W	
R107	ERJ3GEYJ102V	Chip, 1kW 1/16W	
R108	ERJ3GEYJ473V	Chip, 47kW 1/16W	
R109	ERJ3GEYJ333V	Chip, 33kW 1/16W	
R112	ERJ3GEYJ152V	Chip, 1.5kW 1/16W	
R114	ERJ3GEY0R00V	Chip, 0W 1/16W	
R116	ERJ3GEY0R00V	Chip, 0W 1/16W	
R117	ERJ3GEYJ152V	Chip, 1.5kW 1/16W	
R119	ERJ3GEYJ101V	Chip, 100W 1/16W	
R123	ERJ3GEYJ103V	Chip, 10kW 1/16W	
R201	ERJ3GEYJ823V	Chip, 82kW 1/16W	
R206	ERJ6GEYJ330	Chip, 33W 1/10W	
R207	ERJ3GEYJ102V	Chip, 1kW 1/16W	
R208	ERJ3GEYJ102V	Chip, 1kW 1/16W	
R209	ERJ3GEYJ102V	Chip, 1kW 1/16W	
R212	ERJ3GEYJ332V	Chip, 3.3kW 1/16W	
R214	ERJ3GEY0R00V	Chip, 0W 1/16W	
R216	ERJ3GEYJ104V	Chip, 100kW 1/16W	
R217	ERJ3GEYJ561V	Chip, 560W 1/16W	
R218	ERJ3GEYJ105V	Chip, 1kW 1/16W	
R219	ERJ3GEYJ103V	Chip, 10kW 1/16W	
R301	ERJ3GEYJ563V	Chip, 56kW 1/16W	
R303	ERJ3GEYJ332V	Chip, 3.3kW 1/16W	
R323	ERJ3GEY0R00V	Chip, 0W 1/16W	
R324	ERJ3GEY0R00V	Chip, 0W 1/16W	
R326	ERJ3GEYJ473V	Chip, 47kW 1/16W	
R401	ERJ3GEYJ334V	Chip, 330kW 1/16W	

Ref. No.	Part No.	Part Name & Description	Remarks
R471	ERJ8GEYJ181V	Chip, 180W 1/8W	
R473	ERJ8GEYJ221V	Chip, 220W 1/8W	
R511	ERJ3GEYJ563V	Chip, 56kW 1/16W	
R513	ERJ3GEYJ563V	Chip, 56kW 1/16W	
R514	ERJ3GEYJ332V	Chip, 3.3kW 1/16W	
R516	ERJ3GEYJ563V	Chip, 56kW 1/16W	
R517	ERJ6GEYJ271	Chip, 270W 1/10W	
R518	ERJ3GEY0R00V	Chip, 0W 1/16W	
R519	ERJ3GEYJ104V	Chip, 100kW 1/16W	
R521	ERJ3GEYJ103V	Chip, 10kW 1/16W	
R523	ERJ3GEYJ121V	Chip, 120W 1/16W	
R524	ERJ3GEYJ121V	Chip, 120W 1/16W	
R525	ERJ3GEYJ121V	Chip, 120W 1/16W	
R526	ERJ3GEYJ121V	Chip, 120W 1/16W	
R527	ERJ3GEYJ121V	Chip, 120W 1/16W	
R534	ERJ6GEY0R00V	Chip, 0W 1/10W	
R541	ERJ3GEY0R00V	Chip, 0W 1/16W	
R901	ERJ3GEYJ392V	Chip, 3.9kW 1/16W	
R903	ERJ3GEYJ392V	Chip, 3.9k 1/16W	
R904	ERJ3GEYJ122V	Chip, 1.2kW 1/16W	
R905	ERJ3GEYJ682V	Chip, 6.8kW 1/16W	
R906	ERJ3GEYJ103V	Chip, 10kW 1/16W	
R907	ERJ3GEYJ103V	Chip, 10kW 1/16W	
R909	ERJ3GEYJ682V	Chip, 6.8kW 1/16W	
R910	ERJ3GEYJ123V	Chip, 12kW 1/16W	
R911	ERJ12YJ100H	Chip, 10W 1/2W	
R912	ERJ3GEYJ203V	Chip, 20kW 1/16W	
R913	ERJ3GEYJ103V	Chip, 10kW 1/16W	
R914	ERJ3GEYJ104V	Chip, 100kW 1/16W	
R920	ERJ3GEYJ332V	Chip, 3.3kW 1/16W	
R936	ERJ3GEYJ332V	Chip, 3.3kW 1/16W	
R937	ERJ3GEYJ332V	Chip, 3.3kW 1/16W	
R938	ERJ3GEYJ332V	Chip, 3.3W 1/16W	
R939	ERJ3GEYJ332V	Chip, 3.3kW 1/16W	
CONNECTORs			
CN101	YEAESFW15R1E	Connector, 15P	
CN402	K1MN14B00028	Connector, 14P	
CN901	K1MN05B00010	Connector, 5P	
CN902	K1MN05B00009	Connector, 5P	
SWITCHEs			
SW2	K0L1BA000022	Switch	
SW4	YEAS09275	Switch	
CERAMIC FILTERs			
L1	J0JAC0000047	Noise Filter,	
L2	J0JAC0000047	Noise Filter,	
L201	J0JAC0000047	Noise Filter,	
L202	J0JAC0000047	Noise Filter,	
L901	J0JAC0000047	Noise Filter,	

Ref. No.	Part No.	Part Name & Description	Remarks
L902	J0JAC0000047	Noise Filter,	
XL201	H2D169500018	Ceramic Filter	
XL301	H2D737400004	Ceramic Filter	
COILs			
L101	YELTLM41P750	Coil	
L532	YELT03N330JT	Coil	
PRINTINGs			
	YEFM283962	Operating Instructions	
	YEFM292923	Installation Instructions	
	YEFM292928	Installation Instructions	
INSTALLATION PARTs			
	YEFX0215873	Mounting Collar	
	YEP0FZ3161A	Screw Kit	
	YEAJ02872	Power Cord	
	YEFA131646	Removable Face Plate Unit	
	YEFC05597	Trim Plate	
	YEFX9992663	Remote Controller	
	CR2025/1F	Lithium Battery	⚠
MISCELLANEOUs			
CN201	YEAE012656	Connector, RCA REAR	
CN251	YEAE012503	Connector, RCA (CDC IN)	
CN253	YEAJ011604	Connector, RCA / (SUB WOOFER OUT)	
CN301	YEAE012655	Connector, RCA FRONT	
CN351	K2KF29Z00013	Connector, RCA (AUX IN)	
CJ681	K9ZZ00000176	Connector	
ANT51	YEAA10090	Antenna Receptacle	
AT1-3	K4ZZ01000048	Terminal	
HP1	YEAT03324	Terminal	
1	YEFA031817A	Upper Cover	
2	YESFC02094	Escutcheon Ass'y	
3	YEFE137550	Button, Display	
4	YEFE137427	Button, Tune Down	
5	YEFV021929	Optical Shade	
6	YEFE137551	Button, Menu	
7	YEFE137548	Button, Band	
8	YEFE137426	Button, Tune Up	
9	YEFE137553	Button, Preset Up	
10	YEFE137554	Button, Preset Down	
11	YEFE137547	Button, Open	
12	YEFX0052476	Open Button Spring	
13	YEFE07517	Knob, VOL	
14	YEFX0052572	Spring	
15	YEFE137555	Button, Dimmer	
16	YEFE137552	Button, Mute	
17	YEFE137549	Button, Source	
18	YEFE137429	Button, T.A	

Ref. No.	Part No.	Part Name & Description	Remarks
19	YEFX0216132	Mounting Bracket (L)	
20	YEFF011092A	Heat Sink	
21	YEP0FX4973	Removable Face Plate Unit	RTL
22	YEP0PT9202Z9	PCB w/Component, Servo PCB	RTL
23	YEP0PT9227Y9	PCB w/Component, Display PCB	RTL
25	YEFX0216043	Bracket, CD Deck	
26	YEFV03729A	Magnetic Shield	
27	YEFM031399	Laser Sheel	
28	YEFA07629	Front Plate	
29	YEFA131717	Back Cover, Detachable	
30	YEFX0052253	Spring	
31	YEFW04157	Shaft Collar	
32	YEFW04156	Shaft Collar	
33	YEFS011938	Pad	
34	YEFK061071	Holder	
35	YEFX9993011	Reflection Sheet	
36	YEFX0012297	Transparent Plate	
37	YEFX0012299	Transparent Plate	
38	YEFV021928	Optical Shade	
39	YEFV021871	Optical Shade	
41	YEFX0216049	Bracket	
42	YEP9FX194	Bearing (R) Ass'y	
43	YEP9FX192	Hook Bracket Ass'y	
44	YEFS02404	Felt	
45	YEP9FX193	Bearing (L) Ass'y	
46	YEFE135147	Button, Eject	
47	YEFX0052670	Spring	
49	YEFC027799	Escutcheon Ass'y, Unit	
50	YEFV012227	Insulator	
51	YEFX0213945B	Bracket, IC	
52	YEFX9992957	Detection Lever Cup	
54	YEFA05851	Bottom Cover	
55	YEFV012237	Insulator	
56	YEFX0215878	Bracket, Regulator	
57	YEFA08573AK	Rear Plate	
58	YEFJ05046	Color Rivet	
59	YEFX007676	Cord Clamper	
60	YEFX007677	Cord Clamper	
61	YEFR04187	Lead Cap	
62	YEFA09746B	Side Plate	
63	YEFX0216133	Mounting Bracket (R)	
64	YEP0PT6923V9	PCB w/Component, Main PCB	RTL
71	YEJS06093	Screw, 3mm * 6mm	
72	YEJS06286	Screw,	
74	YEJS03020	Screw, 2mm * 4mm	
75	YEJT03009	Tapping Screw, 3mm * 8mm	
76	YEJT03267	Tapping Screw,	
77	XTB3+6FFX	Tapping Screw, 3mm * 6mm	
78	XTB3+5FFZ	Tapping Screw, 3mm * 5mm	
80	XTN2+8GFZ	Tapping Screw, 2mm * 8mm	
81	XYN2+J4FX	Screw,	

14. EXPLODED VIEW (Unit) [CQ-DFX983N]



15. REPLACEMENT PARTS LIST [CQ-DFX903N]

Notes :

1. Be sure to make your orders of replacement parts according to

this list.

2. **Important safety notice: Components, identified by ⚠ mark have special characteristics important for safety. When replacing any of these components, use only manufacturer's specified parts.**
3. **Location keys in the remarks column indicates the general location of the parts shown in the exploded drawing, as in a road map.**
4. **The marking (RTL) indicates that Retention Time is limited for this item. After the discontinuation of assembly in production, the item will continue to be available for a specific period of time. The retention period of availability is dependent on the type of assembly, and in accordance with the laws governing part and product retention. After the end of this period, the assembly will no longer be available.**

    - Order intake period is basically six months after the first shipment.

Ref. No.	Part No.	Part Name & Description	Remarks
[E6923] Main Block			
ICs and TRANSISTORs			
IC201	C1BB00000543	IC	
IC231	YEAMPC4570T1	IC	
IC271	C1EA00000029	IC	
IC401	C1BB00000644	IC	
IC501	YEAMDA7479D	IC	
IC601	C2CBJG000274	IC	
IC602	AN8065SE1	IC	
IC650	YEAMC14584BE	IC	
IC681	YEAMT7ST08UL	IC	
IC719	AN8009M-E1	IC	
IC760	C0DBABZ00002	IC	
IC761	AN7807F	IC	
IC762	YEAMC78L08E2	IC	
IC791	YEAMPC2910HF	IC	
IC792	YEAMPC7805H	IC	
IC801	YEAMBA3835FE	IC	
PA51	C5BA00000110	Electronic Tuner	
Q55	YEANFP1F3PT1	Transistor	
Q61	B1GBCFNN0004	Transistor	
Q62	B1GDCFNN0002	Transistor	
Q66	B1ABCF000044	Transistor	
Q231	B1GBHBEA0004	Transistor	
Q232	B1GDCFJJ0002	Transistor	
Q262	B1GBHBEA0004	Transistor	
Q266	B1GBHBEA0004	Transistor	

Ref. No.	Part No.	Part Name & Description	Remarks
Q346	B1GBHBEA0004	Transistor	
Q362	B1GBHBEA0004	Transistor	
Q366	B1GBHBEA0004	Transistor	
Q374	YEANC114YKX	Transistor	
Q378	B1GBCFNN0004	Transistor	
Q411	YEAN2SK536TB	Transistor	
Q642	B1GBCFNN0004	Transistor	
Q644	B1GDCFJN0004	Transistor	
Q645	B1GDCFJN0004	Transistor	
Q646	B1GBCFNN0004	Transistor	
Q660	YEANFP1F3PT1	Transistor	
Q661	YEANA114TK	Transistor	
Q662	YEANA114TK	Transistor	
Q667	B1GBCFNL0001	Transistor	
Q698	B1GBCFNN0004	Transistor	
Q701	YEANC4480AN	Transistor	
Q702	YEANC4480AN	Transistor	
Q703	YEANB1243QRT	Transistor	
Q704	YEANFB1F3PT1	Transistor	
Q705	2SD2139TA	Transistor	
Q708	2SD1994ATA	Transistor	
Q720	YEANHQ1F3PT1	Transistor	
Q721	YEANC114YKX	Transistor	
Q722	YEANHQ1F3PT1	Transistor	
Q723	YEANC114YKX	Transistor	
Q760	YEANC114YKX	Transistor	
Q761	YEANB1243QRT	Transistor	
Q764	B1GBCFNN0004	Transistor	
Q765	B1GBCFNN0004	Transistor	
Q781	YEANC4480AN	Transistor	
Q782	YEANC114YKX	Transistor	
Q783	YEANA114WKTX	Transistor	
DIODEs			
D201	YEADDSM1D2T7	Diode	
D202	YEADDSM1D2T7	Diode	
D203	YEADDSM1D2T7	Diode	
D204	YEADDSM1D2T7	Diode	
D301	MA736TX	Diode	
D302	MA736TX	Diode	
D303	MA736TX	Diode	
D304	MA736TX	Diode	
D504	YEADRD51M2T1	Diode	
D601	LN25RP	LED	
D603	MA3X152A0L	Diode	
D642	B3ABB0000154	LED	
D643	B3ABB0000154	LED	
D651	MA721TX	Diode	
D650	MA3X152A0L	Diode	
D676	MA152WATX	Diode	
D701	MA721WKTX	Diode	
D702	YEAD11ES2T	Diode	
D703	YEADRD56M3T1	Diode	

Ref. No.	Part No.	Part Name & Description	Remarks
D705	MA3X152K0L	Diode	
D706	YEADDAM3MA47	Diode	
D707	YEADRB051L40	Diode	
D708	YEADRD82M1T1	Diode	
D709	B0BC9R600001	Diode	
D711	MA4051LMTA	Diode	
D719	MA723TA	Diode	
D763	MA3X74000L	Diode	
D765	MA153TX	Diode	
D766	YEADRD27M2T1	Diode	
D767	MA721TX	Diode	
CAPACITORs			
C50	YECUS1H100CC	Ceramic, 10PF 50WV	
C52	YECUS1H470JC	Ceramic, 47PF 50WV	
C53	YECUS1H103KX	Ceramic, 0.01 μF 50WV	
C54	ECEA1AKS221I	Electrolytic, 220 μF 10WV	
C55	YECUS1H103KX	Ceramic, 0.01 μF 50WV	
C56	F3F1E105A001	Tantalum, 1 μF 25WV	
C59	F1J1H152A675	Ceramic, 0.0015 μF 50WV	
C61	YECUS1H183KX	Ceramic, 0.018 μF 50WV	
C62	YECUS1H183KX	Ceramic, 0.018 μF 50WV	
C65	YECUS1H102KX	Ceramic, 0.001 μF 50WV	
C66	F1J1H471A672	Ceramic, 470PF 50WV	
C201	F1J1H152A675	Ceramic, 0.0015 μF 50WV	
C202	F1J1H152A675	Ceramic, 0.0015 μF 50WV	
C203	F2A1H3R3A154	Electrolytic, 3.3 μF 50WV	
C204	F1J1A2250004	Ceramic, 2.2 μF 10WV	
C206	F1J1A2250004	Ceramic, 2.2 μF 10WV	
C207	YECUS1C104KX	Ceramic, 0.1 μF 16WV	
C208	YECUS1C334KX	Ceramic, 0.33 μF 16WV	
C209	F1J1A2250004	Ceramic, 2.2 μF 10WV	
C210	YECUS1C104KX	Ceramic, 0.1 μF 16WV	
C212	YECUZ1C104KX	Ceramic, 0.1 μF 16WV	
C220	F2A1H2R2A154	Electrolytic, 2.2 μF 50WV	
C235	F1J1C184A006	Ceramic, 0.18 μF 16WV	
C236	YECUS1H823KX	Ceramic, 0.082 μF 50WV	
C237	F1J1C184A006	Ceramic, 0.18 μF 16WV	
C261	F2A1H4R7A154	Electrolytic, 4.7 μF 50WV	
C264	YECUS1C474KX	Ceramic, 0.47 μF 16WV	
C265	F2A1H4R7A154	Electrolytic, 4.7 μF 50WV	
C268	YECUS1C474KX	Ceramic, 0.47 μF 16WV	

Ref. No.	Part No.	Part Name & Description	Remarks
C271	F1J1H472A675	Ceramic, 0.0047 μ F 50WV	
C272	F1J1H472A675	Ceramic, 0.0047 μ F 50WV	
C274	F2A1C470A150	Electrolytic, 47 μ F 16WV	
C275	F1J1C1050013	Ceramic, 1 μ F 16WV	
C278	YECUS1E104ZF	Ceramic, 0.1 μ F 25WV	
C279	ECA1CDT472Y	Electrolytic, 4700 μ F 16WV	
C301	F1J1H152A675	Ceramic, 0.0015 μ F 50WV	
C302	F1J1H152A675	Ceramic, 0.0015 μ F 50WV	
C303	F2A1H3R3A154	Electrolytic, 3.3 μ F 50WV	
C304	F1J1A2250004	Ceramic, 2.2 μ F 10WV	
C306	F1J1A2250004	Ceramic, 2.2 μ F 10WV	
C308	YECUS1C334KX	Ceramic, 0.33 μ F 16WV	
C309	ECEA1CKS100I	Electrolytic, 10 μ F 16WV	
C310	ECEA1AKS221I	Electrolytic, 220 μ F 10WV	
C320	F2A1H2R2A154	Electrolytic, 2.2 μ F 50WV	
C339	YECUS1H103KX	Ceramic, 0.01 μ F 50WV	
C345	ECEA1CKS100I	Electrolytic, 10 μ F 16WV	
C361	F2A1H4R7A154	Electrolytic, 4.7 μ F 50WV	
C364	YECUS1C474KX	Ceramic, 0.47 μ F 16WV	
C365	F2A1H4R7A154	Electrolytic, 4.7 μ F 50WV	
C368	YECUS1C474KX	Ceramic, 0.47 μ F 16WV	
C371	F1J1H472A675	Ceramic, 0.0047 μ F 50WV	
C372	F1J1H472A675	Ceramic, 0.0047 μ F 50WV	
C374	F2A1H2R2A154	Electrolytic, 2.2 μ F 50WV	
C375	ECEA1CKS100I	Electrolytic, 10 μ F 16WV	
C378	YECUS1E104ZF	Ceramic, 0.1 μ F 25WV	
C401	YECUS1H150JM	Ceramic, 15PF 50WV	
C402	YECUS1H150JM	Ceramic, 15PF 50WV	
C403	F2A0J101A164	Electrolytic, 100 μ F 6.3WV	
C404	YECUS1H103KX	Ceramic, 0.01 μ F 50WV	
C405	F1H1H101A231	Ceramic, 100PF 50WV	
C411	YECUS1H103KX	Ceramic, 0.01 μ F 50WV	
C412	YECUS1E223KX	Ceramic, 0.022 μ F 25WV	
C413	ECQV1H104JL2	Plastic Film, 0.1 μ F 50WV	
C416	ECEA1AKS221I	Electrolytic, 220 μ F 10WV	
C417	ECEA1AKS221I	Electrolytic, 220 μ F 10WV	
C418	ECEA1AKS221I	Electrolytic, 220 μ F 10WV	
C501	YECUS1H470JM	Ceramic, 47PF 50WV	
C502	YECUS1H270JC	Ceramic, 27PF 50WV	
C504	F2A1C470A150	Electrolytic, 47 μ F 16WV	

Ref. No.	Part No.	Part Name & Description	Remarks
C505	YECUZ1C104KX	Ceramic, 0.1 μ F 16WV	
C506	YECUS1H103KX	Ceramic, 0.01 μ F 50WV	
C507	YECUZ1H271JC	Ceramic, 270PF 50WV	
C508	ECEA1CKS100I	Electrolytic, 10 μ F 16WV	
C509	F1J1H152A675	Ceramic, 0.0015 μ F 50WV	
C601	EECS0HD473H	Electrolytic, 0.047 μ F 5.5WV	
C602	F2A0J331A164	Electrolytic, 330 μ F 6.3WV	
C605	YECUS1H103KX	Ceramic, 0.01 μ F 50WV	
C624	YECUS1C104KX	Ceramic, 0.1 μ F 16WV	
C628	YECUZ1C104KX	Ceramic, 0.1 μ F 16WV	
C631	YECUZ1C104KX	Ceramic, 0.1 μ F 16WV	
C632	F1H1H220A487	Ceramic, 22PF 50WV	
C633	F1H1H220A487	Ceramic, 22PF 50WV	
C634	F1H1H220A487	Ceramic, 22PF 50WV	
C635	F1H1H220A487	Ceramic, 22PF 50WV	
C639	F1H1E103A011	Ceramic, 0.01 μ F 25WV	
C651	YECUS1H103KX	Ceramic, 0.01 μ F 50WV	
C652	ECEA1CKS100I	Electrolytic, 10 μ F 16WV	
C660	F2A1H2R2A154	Electrolytic, 2.2 μ F 50WV	
C674	ECEA1AKS221I	Electrolytic, 220 μ F 10WV	
C681	F1H1E103A011	Ceramic, 0.01 μ F 25WV	
C683	ECA1HSA4R7I	Electrolytic, 4.7 μ F 50WV	
C687	ECA1CSA470I	Electrolytic, 47 μ F 16WV	
C688	YECUS1E104ZF	Ceramic, 0.1 μ F 25WV	
C691	YECUS1H103KX	Ceramic, 0.01 μ F 50WV	
C694	F1J1H152A675	Ceramic, 0.0015 μ F 50WV	
C695	YECUS1H103KX	Ceramic, 0.01 μ F 50WV	
C696	F1J1H151A667	Ceramic, 150PF 50WV	
C698	F1J1H101A672	Ceramic, 100PF 50WV	
C699	YECUS1H103KX	Ceramic, 0.01 μ F 50WV	
C701	F2A1C101A150	Electrolytic, 100 μ F 16WV	
C702	F2A1C101A150	Electrolytic, 100 μ F 16WV	
C703	F2A1H4R7A154	Electrolytic, 4.7 μ F 50WV	
C704	F2A0J470A164	Electrolytic, 47 μ F 6.3WV	
C705	F1H1E103A011	Ceramic, 0.01 μ F 25WV	
C706	YECUS1C104KX	Ceramic, 0.1 μ F 16WV	
C707	YECUS1C474KX	Ceramic, 0.47 μ F 16WV	
C708	ECA1AM331I	Electrolytic, 330 μ F 10WV	
C709	ECEA1AKS221I	Electrolytic, 220 μ F 10WV	
C710	F2A1A101A144	Electrolytic, 100 μ F 10WV	

Ref. No.	Part No.	Part Name & Description	Remarks
C711	F2A0J470A164	Electrolytic, 47 μ F 6.3WV	
C715	ECA1CDT102BQ	Electrolytic, 1000 μ F 16WV	
C717	YECUS1E104ZF	Ceramic, 0.1 μ F 25WV	
C718	YECUS1C104KX	Ceramic, 0.1 μ F 16WV	
C719	EEAFC1A820H	Electrolytic, 82 μ F 10WV	
C752	YECUS1E104ZF	Ceramic, 0.1 μ F 25WV	
C753	YECUS1E104ZF	Ceramic, 0.1 μ F 25WV	
C759	YECUS1E224ZF	Ceramic, 0.22 μ F 25WV	
C760	YECUS1C224KX	Ceramic, 0.22 μ F 16WV	
C761	F2A1C470A150	Electrolytic, 47 μ F 16WV	
C762	ECEA1VKS100I	Electrolytic, 10 μ F 35WV	
C763	ECEA1VKS100I	Electrolytic, 10 μ F 35WV	
C768	ECA1CM470I	Electrolytic, 47 μ F 16WV	
C769	YECUS1E224ZF	Ceramic, 0.22 μ F 25WV	
C770	YECUS1C224KX	Ceramic, 0.22 μ F 16WV	
C784	YECUS1E224ZF	Ceramic, 0.22 μ F 25WV	
C785	EEAFC1C560H	Electrolytic, 56 μ F 16WV	
C789	F2A1C220A150	Electrolytic, 22 μ F 16WV	
C792	YECUS1C224KX	Ceramic, 0.22 μ F 16WV	
C793	ECA1AM101I	Electrolytic, 100 μ F 10WV	
C795	YECUS1C224KX	Ceramic, 0.22 μ F 16WV	
C796	YECUS1C224KX	Ceramic, 0.22 μ F 16WV	
C797	ECA0JM101I	Electrolytic, 100 μ F 6.3WV	
C805	YECUS1C104KX	Ceramic, 0.1 μ F 16WV	
C806	YECUS1C104KX	Ceramic, 0.1 μ F 16WV	
C807	YECUZ1C104KX	Ceramic, 0.1 μ F 16WV	
C808	YECUS1C104KX	Ceramic, 0.1 μ F 16WV	
C809	YECUS1H103KX	Ceramic, 0.01 μ F 50WV	
J406	F1J1H152A675	Ceramic, 0.0015 μ F 50WV	
J407	YECUS1H103KX	Ceramic, 0.01 μ F 50WV	
J410	F1J1H221A672	Ceramic, 220PF 50WV	
J540	YECUV2A152KX	Ceramic, 0.0015 μ F 100WV	
RESISTORs			
C231	ERJ6GEY0R00V	Chip, 0 Ω 1/10W	
C263	ERJ6GEY0R00V	Chip, 0 Ω 1/10W	
C267	ERJ6GEY0R00V	Chip, 0 Ω 1/10W	
C363	ERJ6GEY0R00V	Chip, 0 Ω 1/10W	
C367	ERJ6GEY0R00V	Chip, 0 Ω 1/10W	

Ref. No.	Part No.	Part Name & Description	Remarks
J401	ERJ6GEY0R00V	Chip, 0 Ω 1/10W	
J402	ERJ6GEY0R00V	Chip, 0 Ω 1/10W	
J403	ERJ6GEY0R00V	Chip, 0 Ω 1/10W	
J404	ERJ6GEY0R00V	Chip, 0 Ω 1/10W	
J405	ERJ6GEY0R00V	Chip, 0 Ω 1/10W	
J501	ERJ8GEY0R00V	Chip, 0 Ω 1/8W	
J502	ERJ8GEY0R00V	Chip, 0 Ω 1/8W	
J503	ERJ8GX0R00V	Chip, 0 Ω 1/8W	
J504	ERJ8GX0R00V	Chip, 0 Ω 1/8W	
J505	ERJ8GX0R00V	Chip, 0 Ω 1/8W	
J506	ERJ8GX0R00V	Chip, 0 Ω 1/8W	
J507	ERJ8GX0R00V	Chip, 0 Ω 1/8W	
J508	ERJ8GX0R00V	Chip, 0 Ω 1/8W	
J510	ERJ8GX0R00V	Chip, 0 Ω 1/8W	
J511	ERJ8GX0R00V	Chip, 0 Ω 1/8W	
J512	ERJ8GX0R00V	Chip, 0 Ω 1/8W	
J513	ERJ8GX0R00V	Chip, 0 Ω 1/8W	
J514	ERJ8GX0R00V	Chip, 0 Ω 1/8W	
J515	ERJ8GX0R00V	Chip, 0 Ω 1/8W	
J516	ERJ8GX0R00V	Chip, 0 Ω 1/8W	
J517	ERJ8GX0R00V	Chip, 0 Ω 1/8W	
J518	ERJ8GX0R00V	Chip, 0 Ω 1/8W	
J519	ERJ8GX0R00V	Chip, 0 Ω 1/8W	
J520	ERJ8GX0R00V	Chip, 0 Ω 1/8W	
J521	ERJ8GX0R00V	Chip, 0 Ω 1/8W	
J522	ERJ8GX0R00V	Chip, 0 Ω 1/8W	
J523	ERJ8GX0R00V	Chip, 0 Ω 1/8W	
J524	ERJ8GX0R00V	Chip, 0 Ω 1/8W	
J525	ERJ8GX0R00V	Chip, 0 Ω 1/8W	
J526	ERJ8GX0R00V	Chip, 0 Ω 1/8W	
J527	ERJ8GX0R00V	Chip, 0 Ω 1/8W	
J528	ERJ8GX0R00V	Chip, 0 Ω 1/8W	
J529	ERJ8GX0R00V	Chip, 0 Ω 1/8W	
J530	ERJ8GX0R00V	Chip, 0 Ω 1/8W	
J531	ERJ8GX0R00V	Chip, 0 Ω 1/8W	
J532	ERJ8GX0R00V	Chip, 0 Ω 1/8W	
J533	ERJ8GX0R00V	Chip, 0 Ω 1/8W	
J534	ERJ8GX0R00V	Chip, 0 Ω 1/8W	
J535	ERJ8GX0R00V	Chip, 0 Ω 1/8W	
J536	ERJ8GX0R00V	Chip, 0 Ω 1/8W	
J537	ERJ8GX0R00V	Chip, 0 Ω 1/8W	
J538	ERJ8GX0R00V	Chip, 0 Ω 1/8W	
J541	ERJ8GX0R00V	Chip, 0 Ω 1/8W	
J544	ERJ8GEY0R00V	Chip, 0 Ω 1/8W	

Ref. No.	Part No.	Part Name & Description	Remarks
J545	ERJ8GEY0R00V	Chip, 0 Ω 1/8W	
J546	ERJ8GX0R00V	Chip, 0 Ω 1/8W	
L290	ERJ6GEY0R00V	Chip, 0 Ω 1/10W	
L291	ERJ6GEY0R00V	Chip, 0 Ω 1/10W	
L292	ERJ6GEY0R00V	Chip, 0 Ω 1/10W	
L295	ERD6GEYJ180	Chip, 18 Ω 1/10W	
L296	ERD6GEYJ180	Chip, 18 Ω 1/10W	
L298	ERJ6GEY0R00V	Chip, 0 Ω 1/10W	
L299	ERJ6GEY0R00V	Chip, 0 Ω 1/10W	
L393	ERJ6GEY0R00V	Chip, 0 Ω 1/10W	
L394	ERJ6GEY0R00V	Chip, 0 Ω 1/10W	
L395	ERD6GEYJ180	Chip, 18 Ω 1/10W	
L396	ERD6GEYJ180	Chip, 18 Ω 1/16W	
L398	ERJ6GEY0R00V	Chip, 0 Ω 1/10W	
L399	ERJ6GEY0R00V	Chip, 0 Ω 1/10W	
R50	ERJ6GEYJ5R6	Chip, 5.6 Ω 1/10W	
R51	ERJ6GEY0R00V	Chip, 0 Ω 1/10W	
R54	ERJ6GEYJ101	Chip, 100 Ω 1/10W	
R55	ERJ6GEYJ331	Chip, 330 Ω 1/10W	
R58	ERJ3GEYJ822V	Chip, 8.2k Ω 1/16W	
R59	ERJ3GEYJ104V	Chip, 100k Ω 1/16W	
R65	ERJ6GEYJ393	Chip, 39k Ω 1/10W	
R66	ERJ6GEYJ334	Chip, 330k Ω 1/10W	
R67	ERJ6GEYJ222	Chip, 2.2k Ω 1/10W	
R68	ERJ6GEYJ102	Chip, 1k Ω 1/10W	
R201	ERJ6GEYJ102	Chip, 1k Ω 1/10W	
R202	ERJ6GEYJ102	Chip, 1k Ω 1/10W	
R203	ERJ6GEYJ393	Chip, 39k Ω 1/10W	
R204	ERJ3GEYJ562V	Chip, 5.6k Ω 1/16W	
R205	ERJ3GEYJ103V	Chip, 10k Ω 1/16W	
R206	ERJ6GEYJ472	Chip, 4.7k Ω 1/10W	
R207	ERJ6GEYJ123	Chip, 12k Ω 1/10W	
R208	ERJ3GEYJ363V	Chip, 36k Ω 1/16W	
R225	ERJ3GEYJ102V	Chip, 1k Ω 1/16W	
R226	ERJ3GEYJ102V	Chip, 1k Ω 1/16W	
R227	ERJ3GEYJ123V	Chip, 12k Ω 1/16W	
R231	ERJ3GEYJ223V	Chip, 22k Ω 1/16W	
R233	ERJ6GEYJ103	Chip, 10k Ω 1/10W	
R235	ERJ3GEYJ103V	Chip, 10k Ω 1/16W	
R237	ERJ3GEYJ224V	Chip, 220k Ω 1/16W	
R238	ERJ6GEY0R00V	Chip, 0 Ω 1/10W	
R247	ERJ3GEY0R00V	Chip, 0 Ω 1/16W	
R248	ERD6GEYJ180	Chip, 18 Ω 1/10W	
R251	ERJ6GEY0R00V	Chip, 0 Ω 1/10W	

Ref. No.	Part No.	Part Name & Description	Remarks
R257	ERJ3GEY0R00V	Chip, 0 Ω 1/16W	
R261	ERJ6GEYJ181	Chip, 180 Ω 1/10W	
R262	ERJ3GEYJ103V	Chip, 10k Ω 1/16W	
R263	ERJ6GEYJ561	Chip, 560 Ω 1/10W	
R265	ERJ6GEYJ181	Chip, 180 Ω 1/10W	
R266	ERJ3GEYJ103V	Chip, 10k Ω 1/16W	
R267	ERJ6GEYJ561	Chip, 560 Ω 1/10W	
R275	ERJ6GEYJ223	Chip, 22k Ω 1/10W	
R301	ERJ6GEYJ102	Chip, 1k Ω 1/10W	
R302	ERJ6GEYJ102	Chip, 1k Ω 1/10W	
R303	ERJ6GEYJ393	Chip, 39k Ω 1/10W	
R304	ERJ3GEYJ562V	Chip, 5.6k Ω 1/16W	
R305	ERJ3GEYJ103V	Chip, 10k Ω 1/16W	
R306	ERJ6GEYJ472	Chip, 4.7k Ω 1/10W	
R307	ERJ6GEYJ123	Chip, 12k Ω 1/10W	
R308	ERJ3GEYJ363V	Chip, 36k Ω 1/16W	
R331	ERJ3GEYJ223V	Chip, 22k Ω 1/16W	
R337	ERJ6GEY0R00V	Chip, 0 Ω 1/10W	
R345	ERJ6GEYJ181	Chip, 180 Ω 1/10W	
R346	ERJ3GEYJ223V	Chip, 22k Ω 1/16W	
R348	ERD6GEYJ180	Chip, 18 Ω 1/10W	
R351	ERJ3GEY0R00V	Chip, 0 Ω 1/16W	
R357	ERJ3GEY0R00V	Chip, 0 Ω 1/16W	
R361	ERJ6GEYJ181	Chip, 180 Ω 1/10W	
R362	ERJ3GEYJ103V	Chip, 10k Ω 1/16W	
R363	ERJ6GEYJ561	Chip, 560 Ω 1/10W	
R365	ERJ6GEYJ181	Chip, 180 Ω 1/10W	
R366	ERJ3GEYJ103V	Chip, 10k Ω 1/16W	
R367	ERJ6GEYJ561	Chip, 560 Ω 1/10W	
R372	ERJ3GEYJ103V	Chip, 10k Ω 1/16W	
R374	ERJ3GEYJ183V	Chip, 18k Ω 1/16W	
R375	ERJ6GEYJ562	Chip, 5.6k Ω 1/10W	
R376	ERJ3GEYJ103V	Chip, 10k Ω 1/16W	
R377	ERJ3GEY0R00V	Chip, 0 Ω 1/16W	
R401	ERJ3GEYJ152V	Chip, 1.5k Ω 1/16W	
R402	ERJ3GEYJ472V	Chip, 4.7k Ω 1/16W	
R403	ERJ3GEYJ473V	Chip, 47k Ω 1/16W	
R404	ERJ3GEYJ102V	Chip, 1k Ω 1/16W	
R405	ERJ3GEYJ102V	Chip, 1k Ω 1/16W	
R406	ERJ3GEYJ102V	Chip, 1k Ω 1/16W	
R407	ERJ3GEYJ102V	Chip, 1k Ω 1/16W	
R408	ERJ3GEYJ473V	Chip, 47k Ω 1/16W	
R409	ERJ3GEYJ102V	Chip, 1k Ω 1/16W	
R410	ERJ3GEY0R00V	Chip, 0 Ω 1/16W	

Ref. No.	Part No.	Part Name & Description	Remarks
R411	ERJ3GEY0R00V	Chip, 0 Ω 1/16W	
R413	ERJ6GEYJ182	Chip, 1.8k Ω 1/10W	
R414	ERJ8GEYJ561V	Chip, 560 Ω 1/8W	
R417	ERJ6GEYJ100	Chip, 10 Ω 1/10W	
R501	ERJ6GEYJ225V	Chip, 2.2M Ω 1/10W	
R504	ERJ6GEYJ331	Chip, 330 Ω 1/10W	
R506	ERJ3GEYJ103V	Chip, 10k Ω 1/16W	
R507	ERJ3GEYJ103V	Chip, 10k Ω 1/16W	
R602	ERJ3GEYJ473V	Chip, 47k Ω 1/16W	
R604	ERJ3GEYJ473V	Chip, 47k Ω 1/16W	
R605	ERJ6GEYJ222	Chip, 2.2k Ω 1/10W	
R606	ERJ3GEYJ102V	Chip, 1k Ω 1/16W	
R609	ERJ3GEYJ154V	Chip, 150k Ω 1/16W	
R610	ERJ6GEY0R00V	Chip, 0 Ω 1/10W	
R612	ERJ6GEYJ102	Chip, 1k Ω 1/10W	
R613	ERJ3GEYJ102V	Chip, 1k Ω 1/16W	
R614	ERJ3GEYJ102V	Chip, 1k Ω 1/16W	
R615	ERJ3GEYJ102V	Chip, 1k Ω 1/16W	
R616	ERJ3GEYJ102V	Chip, 1k Ω 1/16W	
R617	ERJ3GEYJ102V	Chip, 1k Ω 1/16W	
R619	ERJ3GEYJ102V	Chip, 1k Ω 1/16W	
R621	ERJ3GEY0R00V	Chip, 0 Ω 1/16W	
R623	ERJ6GEYJ822	Chip, 8.2k Ω 1/10W	
R624	ERJ3GEYJ472V	Chip, 4.7k Ω 1/16W	
R625	ERJ3GEYJ103V	Chip, 10k Ω 1/16W	
R626	ERJ6GEYJ103	Chip, 10k Ω 1/10W	
R628	ERJ3GEYJ184V	Chip, 180k Ω 1/16W	
R632	ERJ3GEY0R00V	Chip, 0 Ω 1/16W	
R633	ERJ6GEYJ472	Chip, 4.7k Ω 1/10W	
R634	ERJ3GEYJ564V	Chip, 560k Ω 1/16W	
R638	ERJ3GEYJ102V	Chip, 1k Ω 1/16W	
R639	ERJ3GEYJ333V	Chip, 33k Ω 1/16W	
R640	ERJ3GEYJ473V	Chip, 47k Ω 1/16W	
R641	ERJ6GEYJ473	Chip, 47k Ω 1/10W	
R642	ERJ6GEYJ681	Chip, 680 Ω 1/10W	
R643	ERJ3GEYJ102V	Chip, 1k Ω 1/16W	
R644	ERJ3GEYJ391V	Chip, 390 Ω 1/16W	
R645	ERJ3GEYJ391V	Chip, 390 Ω 1/16W	
R650	ERJ6GEYJ104	Chip, 100k Ω 1/10W	
R651	ERJ6GEYJ104	Chip, 100k Ω 1/10W	
R652	ERJ6GEYJ104	Chip, 100k Ω 1/10W	
R653	ERJ3GEYJ104V	Chip, 100k Ω 1/16W	
R660	ERJ3GEYJ561V	Chip, 560 Ω 1/16W	
R661	ERJ3GEYJ562V	Chip, 5.6k Ω 1/16W	

Ref. No.	Part No.	Part Name & Description	Remarks
R662	ERJ3GEYJ473V	Chip, 47k Ω 1/16W	
R664	ERJ6GEYJ471	Chip, 470 Ω 1/10W	
R666	ERJ6GEYJ184	Chip, 180k Ω 1/10W	
R667	ERJ6GEYJ103	Chip, 10k Ω 1/10W	
R671	ERJ6GEY0R00V	Chip, 0 Ω 1/10W	
R672	ERJ6GEYJ102	Chip, 1k Ω 1/10W	
R673	ERJ6GEYJ184	Chip, 180k Ω 1/10W	
R674	ERJ6GEYJ102	Chip, 1k Ω 1/10W	
R676	ERJ6GEYJ102	Chip, 1k Ω 1/10W	
R678	ERJ6GEYJ561	Chip, 560 Ω 1/10W	
R679	ERJ6GEYJ561	Chip, 560 Ω 1/10W	
R681	ERJ6GEYJ102	Chip, 1k Ω 1/10W	
R682	ERJ3GEYJ104V	Chip, 100k Ω 1/16W	
R686	ERJ3GEY0R00V	Chip, 0 Ω 1/16W	
R688	ERJ6GEY0R00V	Chip, 0 Ω 1/10W	
R691	ERJ6GEYJ102	Chip, 1k Ω 1/10W	
R692	ERJ6GEYJ102	Chip, 1k Ω 1/10W	
R693	ERJ6GEYJ102	Chip, 1k Ω 1/10W	
R695	ERJ6GEY0R00V	Chip, 0 Ω 1/10W	
R696	ERJ6GEYJ102	Chip, 1k Ω 1/10W	
R700	ERJ8GEYJ270V	Chip, 27 Ω 1/8W	
R701	ERJ8GEYJ270V	Chip, 27 Ω 1/8W	
R702	ERJ6GEYJ103	Chip, 10k Ω 1/10W	
R703	ERJ6GEYJ472	Chip, 4.7k Ω 1/10W	
R704	ERJ6GEYJ274	Chip, 270k Ω 1/10W	
R705	ERJ6GEYJ433	Chip, 43k Ω 1/10W	
R706	ERJ3GEYJ472V	Chip, 4.7k Ω 1/16W	
R707	ERJ3GEYJ224V	Chip, 220k Ω 1/16W	
R708	ERJ3GEYJ433V	Chip, 43k Ω 1/16W	
R709	ERJ8GEYJ473V	Chip, 47k Ω 1/8W	
R710	ERDS1FJ821	Carbon, 820 Ω 1/2W	
R711	ERDS1FJ821	Carbon, 820 Ω 1/2W	
R712	ERJ8GEYJ1R0V	Chip, 1.0 Ω 1/8W	
R713	ERJ8GEYJ1R0V	Chip, 1.0 Ω 1/8W	
R714	ERJ6GEYJ821	Chip, 820 Ω 1/10W	
R715	ERJ6GEYJ681	Chip, 680 Ω 1/10W	
R716	ERJ8GEYJ151V	Chip, 150 ohms 1/8W	
R717	ERJ8GEYJ151V	Chip, 150 ohms 1/8W	
R718	ERJ6GEY0R00V	Chip, 0 Ω 1/10W	
R731	ERJ3GEYJ102V	Chip, 1k Ω 1/16W	
R732	ERJ6GEYJ223	Chip, 22k Ω 1/10W	
R733	ERJ6GEYJ223	Chip, 22k Ω 1/10W	
R753	ERJ6GEYJ102	Chip, 1k Ω 1/10W	
R758	ERJ8GEYJ152V	Chip, 1.5k Ω 1/8W	
R759	ERJ6GEYJ473	Chip, 47k Ω 1/10W	

Ref. No.	Part No.	Part Name & Description	Remarks
R769	ERJ3GEYJ101V	Chip, 100 Ω 1/16W	
R770	ERJ6GEYJ473	Chip, 47k Ω 1/10W	
R787	ERJ6GEY0R00V	Chip, 0 Ω 1/10W	
R803	ERJ6GEYJ104	Chip, 100k Ω 1/10W	
R804	ERJ3GEYJ152V	Chip, 1.5k Ω 1/16W	
CONNECTORs			
CN600	YEAE012795	Connector, 6P	
CN601	YEAE0115MX	Connector, 15P	
CN602	YEAE0104MX	Connector, 4P	
CN661	K1HA149A0001	Connector, 7P	
CN680	YEAE012307	Connector, 8P DIN	
CN681	YEAE012763	Connector, 14P	
CN701	K1FA116B0028	Connector, 16P	
CP641	YEAE012761	Connector, 14P	
CJ640	K1KA15A00096	Connector, 15P	
CJ642	K1KA04A00296	Connector, 4P	
SWITCHEs			
SW601	YEAS08042	Switch	
CRYSTALs			
XL401	H0D720400006	Crystal OSC	
XL501	H0D433400003	Crystal OSC	
XL601	H0D125500006	Crystal OSC	
XL602	YEXLMC60327	Crystal OSC	
COILs			
L50	G1C150K00011	Coil	
L52	G1CR56K00009	Coil	
L401	YELT03N101JT	Coil	
L501	YELT03N330JT	Coil	
L504	YELT03N330JT	Coil	
L671	ELEAR330KA	Coil	
L691	YELT03N101JT	Coil	
L701	YELTBL01R1AT	Coil	
L702	YETQ026T164	Coil	
L704	YELT02C470KT	Coil	
LAMPs			
Z50	YEAL02010T	Neon Lamp	
RESISTOR NETWORKs			
R620	EXBV8V102JV	Resistor Network	
THERMISTORs			

Ref. No.	Part No.	Part Name & Description	Remarks
PT701	YERT7AR4R7MT	Thermistor	
Fuse			
FU901	YEAFSSFC0R4A	Fuse, 0.4A	⚠
[E9227] Display Block			
ICs and TRANSISTORs			
IC900	C2DBKJ000126	IC	
IC901	C3FBPD000029	IC	
IC902	MN1382RTX	IC	
IC904	YEAM7200U33T	IC	
Q901	B1GBCFNN0004	Transistor	
Q902	YEANFP1F3PT1	Transistor	
Q903	B1GBCFNN0004	Transistor	
Q904	YEANA114WKTX	Transistor	
Q905	B1GBCFNN0004	Transistor	
Q906	B1GBCFNN0004	Transistor	
Q908	B1GBCFNN0004	Transistor	
Q913	YEANSSTA06T	Transistor	
Q914	YEANSSTA06T	Transistor	
Q915	B1GBCFNN0004	Transistor	
Q916	B1GDCFNN0002	Transistor	
DIODEs			
D901	MA8056LMHTX	Diode	
D902	MAZ80390LL	Diode	
D903	B3AAB0000143	LED	
D904	MA8056LMHTX	Diode	
D905	MA152WATX	Diode	
D906	MA152WKTX	Diode	
D910	MAZ80390LL	Diode	
D911	MAZ80390LL	Diode	
D912	MAZ80390LL	Diode	
D914	MA8056LMHTX	Diode	
D915	MAZ81800ML	Diode	
D916	MAZ80390LL	Diode	
IC903	B3MBZ0000006	LED	
CAPACITORs			
C901	YECUS1C105ZF	Ceramic, 1 μF 16WV	
C902	YECUS1C105ZF	Ceramic, 1 μF 16WV	
C903	F1J1H102A672	Ceramic, 0.001 μF 50WV	
C904	YECUZ1C104KX	Ceramic, 0.1 μF 16WV	
C905	YECUZ1C104KX	Ceramic, 0.1 μF 16WV	
C906	YECUZ1C104KX	Ceramic, 0.1 μF 16WV	
C907	YECUZ1C104KX	Ceramic, 0.1 μF 16WV	

Ref. No.	Part No.	Part Name & Description	Remarks
C908	ECST1CX106R	Tantalum, 10 μ F 16WV	
C909	F1J1H8R0A007	Ceramic, 8PF 50WV	
C910	F1J1H8R0A007	Ceramic, 8PF 50WV	
C911	YECUS1C105ZF	Ceramic, 1 μ F 16WV	
C912	YECUS1C104KX	Ceramic, 0.1 μ F 16WV	
C913	YECUZ1C104KX	Ceramic, 0.1 μ F 16WV	
C914	YECUS1C104KX	Ceramic, 0.1 μ F 16WV	
C922	ECST1AX226R	Tantalum, 22 μ F 10WV	
C923	YECUS1C104KX	Ceramic, 0.1 μ F 16WV	
C924	ECST1AX226R	Tantalum, 22 μ F 10WV	
C925	F2H1C2200001	Electrolytic, 22 μ F 16WV	
C926	F1J1H562A675	Ceramic, 0.0056 μ F 50WV	
C927	YECUS1E104ZF	Ceramic, 0.1 μ F 25WV	
C928	F0F2A2230001	Plastic Film, 0.022 μ F 100WV	
C929	F1L3F1500001	Ceramic, 15PF 3160WV	
C931	YECUV1C225KX	Ceramic, 2.2 μ F 16WV	
C932	YECUV1C225KX	Ceramic, 2.2 μ F 16WV	
C933	YECUV1C225KX	Ceramic, 2.2 μ F 16WV	
C934	YECUV1C225KX	Ceramic, 2.2 μ F 16WV	
C935	YECUV1C225KX	Ceramic, 2.2 μ F 16WV	
C936	YECUV1C225KX	Ceramic, 2.2 μ F 16WV	
C937	YECUZ1C104KX	Ceramic, 0.1 μ F 16WV	
C938	YECUS1C104KX	Ceramic, 0.1 μ F 16WV	
C939	YECUV1C225KX	Ceramic, 2.2 μ F 16WV	
C940	YECUZ1C104KX	Ceramic, 0.1 μ F 16WV	
C941	YECUZ1C104KX	Ceramic, 0.1 μ F 16WV	
C942	YECUV1C225KX	Ceramic, 2.2 μ F 16WV	
C973	YECUZ1H103KX	Ceramic, 0.01 μ F 50WV	
C974	YECUZ1H103KX	Ceramic, 0.01 μ F 50WV	
RESISTORs			
R901	ERJ3GEYJ473V	Chip, 47k Ω 1/16W	
R902	ERJ3GEYJ122V	Chip, 1.2k Ω 1/16W	
R903	ERJ3GEYJ222V	Chip, 2.2k Ω 1/16W	
R904	ERJ3GEYJ302V	Chip, 3k Ω 1/16W	
R905	ERJ3GEYJ124V	Chip, 120k Ω 1/16W	
R906	ERJ3GEYJ153V	Chip, 15k Ω 1/16W	
R907	ERJ6GEYJ101	Chip, 100 Ω 1/10W	
R908	ERJ3GEYJ821V	Chip, 820 Ω 1/16W	
R909	ERJ3GEYJ473V	Chip, 47k Ω 1/16W	
R910	ERJ3GEYJ122V	Chip, 1.2k Ω 1/16W	

		Chip, 1.2K ±1% 1/10W	

Ref. No.	Part No.	Part Name & Description	Remarks
R912	ERJ3GEYJ473V	Chip, 47k Ω 1/16W	
R913	ERJ3GEY0R00V	Chip, 0 Ω 1/16W	
R914	ERJ3GEYJ221V	Chip, 220 Ω 1/16W	
R915	ERJ3GEYJ221V	Chip, 220 Ω 1/16W	
R916	ERJ3GEYJ302V	Chip, 3k Ω 1/16W	
R917	ERJ3GEYJ103V	Chip, 10k Ω 1/16W	
R918	ERJ3GEYJ222V	Chip, 2.2k Ω 1/16W	
R919	ERJ3GEYJ222V	Chip, 2.2k Ω 1/16W	
R920	ERJ3GEYJ222V	Chip, 2.2k Ω 1/16W	
R921	ERJ3GEYJ222V	Chip, 2.2k Ω 1/16W	
R922	ERJ3GEYJ302V	Chip, 3k Ω 1/16W	
R923	ERJ3GEYJ182V	Chip, 1.8k Ω 1/16W	
R924	ERJ3GEYJ101V	Chip, 100 Ω 1/16W	
R926	ERJ3GEYJ221V	Chip, 220 Ω 1/16W	
R927	ERJ3GEYJ472V	Chip, 4.7k Ω 1/16W	
R928	ERJ3GEYJ473V	Chip, 47k Ω 1/16W	
R929	ERJ3GEYJ274V	Chip, 270k Ω 1/16W	
R931	ERJ3GEYJ473V	Chip, 47k Ω 1/16W	
R942	ERJ3GEYJ184V	Chip, 180k Ω 1/16W	
R943	ERJ3GEYJ184V	Chip, 180k Ω 1/16W	
R944	ERJ3GEYJ184V	Chip, 180k Ω 1/16W	
R962	ERJ3GEY0R00V	Chip, 0 Ω 1/16W	
R964	ERJ6GEYJ681	Chip, 680 Ω 1/10W	
R965	ERJ6GEYJ472	Chip, 4.7k Ω 1/10W	
R966	ERJ6GEYJ472	Chip, 4.7k Ω 1/10W	
R967	ERJ3GEY0R00V	Chip, 0 Ω 1/16W	
R969	ERJ3GEYJ473V	Chip, 47k Ω 1/16W	
R970	ERJ3GEYJ102V	Chip, 1k Ω 1/16W	
R971	ERJ3GEYJ103V	Chip, 10k Ω 1/16W	
R972	ERJ3GEYJ103V	Chip, 10k Ω 1/16W	
R973	ERJ3GEYJ103V	Chip, 10k Ω 1/16W	
R974	ERJ3GEYJ103V	Chip, 10k Ω 1/16W	
CONNECTORs			
CN901	YEAE012760	Connector, 14P	
CN902	K1MN40B00006	Connector, 40P	
SWITCHEs			
SW610	K0H1BA000445	Switch	
SW902	K0H1BA000445	Switch	
SW903	K0H1BA000445	Switch	
SW904	K0H1BA000445	Switch	
SW905	K0H1BA000445	Switch	
SW906	K0H1BA000445	Switch	

Ref. No.	Part No.	Part Name & Description	Remarks
SW907	K0H1BA000445	Switch	
SW908	K0H1BA000445	Switch	
SW909	K0H1BA000445	Switch	
SW910	K0H1BA000445	Switch	
SW911	K0H1BA000445	Switch	
SW912	K0H1BA000445	Switch	
CRYSTALs			
XL900	H0J167500008	Crystal OSC	
CERAMIC FILTERs			
FB901	J0JHC0000026	Noise Filter	
FB902	J0JHC0000026	Noise Filter	
FB903	J0JHC0000026	Noise Filter	
COILs			
L907	G1C101M00014	Coil	
L908	G5C1AAA00001	Power Transformer	
LCD			
LCD901	L5F000000007	LCD Display	
LAMPs			
CFL901	A2CA00000034	Display Tube	
RESISTOR NETWORKs			
RA901	D1H822140004	Resistor Network	
RA902	D1H822140004	Resistor Network	
RA903	D1H822140004	Resistor Network	
RA904	D1H822140004	Resistor Network	
RA905	D1H822140004	Resistor Network	
RA906	D1H822140004	Resistor Network	
RA907	D1H822140004	Resistor Network	
RA908	D1H822140004	Resistor Network	
RA909	D1H822140004	Resistor Network	
RA910	D1H822140004	Resistor Network	
RA911	D1H822140004	Resistor Network	
THERMISTORs			
TH900	D4CC14730002	Thermistor	
VOLUME			
SW901	K9AA015B0037	Volume	
[E8988] CD Servo Block			

Ref. No.	Part No.	Part Name & Description	Remarks
IC's and TRANSISTORs			
IC101	C1BB00000414	IC	
IC201	C2BBFD000365	IC	
IC301	C0GBY0000012	IC	
Q1	B3HB00000012	Transistor	
Q3	B3HB00000012	Transistor	
Q6	B3HB00000012	Transistor	
Q101	2SB766ATX	Transistor	
Q302	2SB766ATX	Transistor	
Q451	B1GBCFCJ0005	Transistor	
DIODEs			
D1	YEADAN1102W	Diode	
D3	YEADAN1102W	Diode	
D6	YEADAN1102W	Diode	
D123	B0ACCK000005	Diode	
D401	MA152WKTX	Diode	
D901	MA152WATX	Diode	
CAPACITORs			
C100	YECUZ1C104KX	Ceramic, 0.1mF 16WV	
C101	YECUZ1C104KX	Ceramic, 0.1mF 16WV	
C102	YECUZ1C104KX	Ceramic, 0.1mF 16WV	
C103	F3H0J1070005	Tantalum, 100mF 6.3WV	
C112	YECUZ1C104KX	Ceramic, 0.1mF 16WV	
C114	YECUZ1C104KX	Ceramic, 0.1mF 16WV	
C115	EEVFC0J470R	Electrolytic, 47mF 6.3WV	
C117	YECUS1C104KX	Ceramic, 0.1mF 16WV	
C122	YECUS1C104KX	Ceramic, 0.1mF 16WV	
C126	YECUZ1C104KX	Ceramic, 0.1mF 16WV	
C133	YECUZ1C104KX	Ceramic, 0.1mF 16WV	
C140	YECUZ1C104KX	Ceramic, 0.1mF 16WV	
C151	YECUZ1C104KX	Ceramic, 0.1mF 16WV	
C170	YECUZ1C104KX	Ceramic, 0.1mF 16WV	
C171	YECUZ1C333KX	Ceramic, 0.033mF 16WV	
C172	YECUZ1C333KX	Ceramic, 0.033mF 16WV	
C173	YECUZ1C104KX	Ceramic, 0.1mF 16WV	
C174	F1H1H222A190	Ceramic, 2200PF 50WV	
C176	F1H1C473A005	Ceramic, 0.047mF 16WV	
C177	YECUZ1H040CC	Ceramic, 4PF 50WV	
C179	YECUS1H220JC	Ceramic, 22PF 50WV	
C190	YECUS1H560JM	Ceramic, 56PF 50WV	
C192	YECUS1H560JM	Ceramic, 56PF 50WV	
C193	YECUZ1C104KX	Ceramic, 0.1mF 16WV	
C195	YECUZ1H102KX	Ceramic, 1000PF 50WV	
C217	F1H1A4740004	Ceramic, 0.47mF 10WV	
C218	YECUZ1H103KX	Ceramic, 0.01mF 50WV	
C301	YECUS1C474KX	Ceramic, 0.47mF 16WV	
C302	EEVFC1C470P	Electrolytic, 47mF 16WV	
C304	F1J1C1050013	Ceramic, 1mF 16WV	
C320	YECUZ1C104KX	Ceramic, 0.1mF 16WV	
C321	YECUZ1C104KX	Ceramic, 0.1mF 16WV	

Ref. No.	Part No.	Part Name & Description	Remarks
C322	F1H1H222A190	Ceramic, 2200PF 50WV	
C323	F1H1H681A201	Ceramic, 680PF 50WV	
C326	EEVFC0J101P	Electrolytic, 100mF 6.3WV	
C410	ECEV0JA101SP	Electrolytic, 100mF 6.3WV	
C603	YECUZ1C104KX	Ceramic, 0.1mF 16WV	
RESISTORs			
L101	ERJ6GEY0R00V	Chip, 0W 1/10W	
L201	ERJ6GEY0R00V	Chip, 0W 1/10W	
L202	ERJ6GEY0R00V	Chip, 0W 1/10W	
L301	ERJ6GEY0R00V	Chip, 0W 1/10W	
L302	ERJ6GEY0R00V	Chip, 0W 1/10W	
R102	ERJ14YJ220H	Chip, 22W 1/4W	
R123	ERJ3GEYJ473V	Chip, 47kW 1/16W	
R125	ERJ6GEY0R00	Chip, 0W 1/10W	
R171	ERJ3GEYJ333V	Chip, 33kW 1/16W	
R172	ERJ3GEYJ333V	Chip, 33kW 1/16W	
R179	ERJ3GEYJ682V	Chip, 6.8kW 1/16W	
R186	ERJ3GEYJ333V	Chip, 33kW 1/16W	
R187	ERJ3GEYJ333V	Chip, 33kW 1/16W	
R213	ERJ3GEY0R00V	Chip, 0W 1/16W	
R218	ERJ3GEYJ563V	Chip, 56kW 1/16W	
R223	ERJ3GEYJ563V	Chip, 56kW 1/16W	
R226	ERJ3GEYJ473V	Chip, 47kW 1/16W	
R228	ERJ3GEYJ473V	Chip, 47kW 1/16W	
R256	ERJ3GEY0R00V	Chip, 0W 1/16W	
R257	ERJ3GEY0R00V	Chip, 0W 1/16W	
R258	ERJ3GEY0R00V	Chip, 0W 1/16W	
R305	ERJ3GEYJ122V	Chip, 1.2kW 1/16W	
R306	ERJ3GEYJ103V	Chip, 10kW 1/16W	
R322	ERJ3GEYJ682V	Chip, 6.8kW 1/16W	
R323	ERJ3GEYJ223V	Chip, 22kW 1/16W	
R325	ERJ3GEYJ472V	Chip, 4.7kW 1/16W	
R326	ERJ3GEYJ153V	Chip, 15kW 1/16W	
R327	ERJ6GEY0R00	Chip, 0W 1/10W	
R336	ERJ3GEYJ822V	Chip, 8.2kW 1/16W	
R403	ERJ3GEY0R00V	Chip, 0W 1/16W	
R411	ERJ3GEYJ334V	Chip, 330kW 1/16W	
R429	ERJ3GEY0R00V	Chip, 0W 1/16W	
R454	ERJ6GEYJ271	Chip, 270W 1/10W	
R456	ERJ3GEYJ472V	Chip, 4.7kW 1/16W	
R461	ERJ3GEYJ823V	Chip, 82kW 1/16W	
R463	ERJ3GEYJ823V	Chip, 82kW 1/16W	
R466	ERJ6GEYJ823	Chip, 82kW 1/10W	
R471	ERJ8GEYJ121V	Chip, 120W 1/8W	
R473	ERJ8GEYJ121V	Chip, 120W 1/8W	
R476	ERJ8GEYJ121V	Chip, 120W 1/8W	
R481	ERJ6GEYJ104	Chip, 100kW 1/10W	
R604	ERJ3GEYJ473V	Chip, 47kW 1/16W	
R605	ERJ3GEYJ473V	Chip, 47kW 1/16W	
R606	ERJ3GEYJ473V	Chip, 47kW 1/16W	

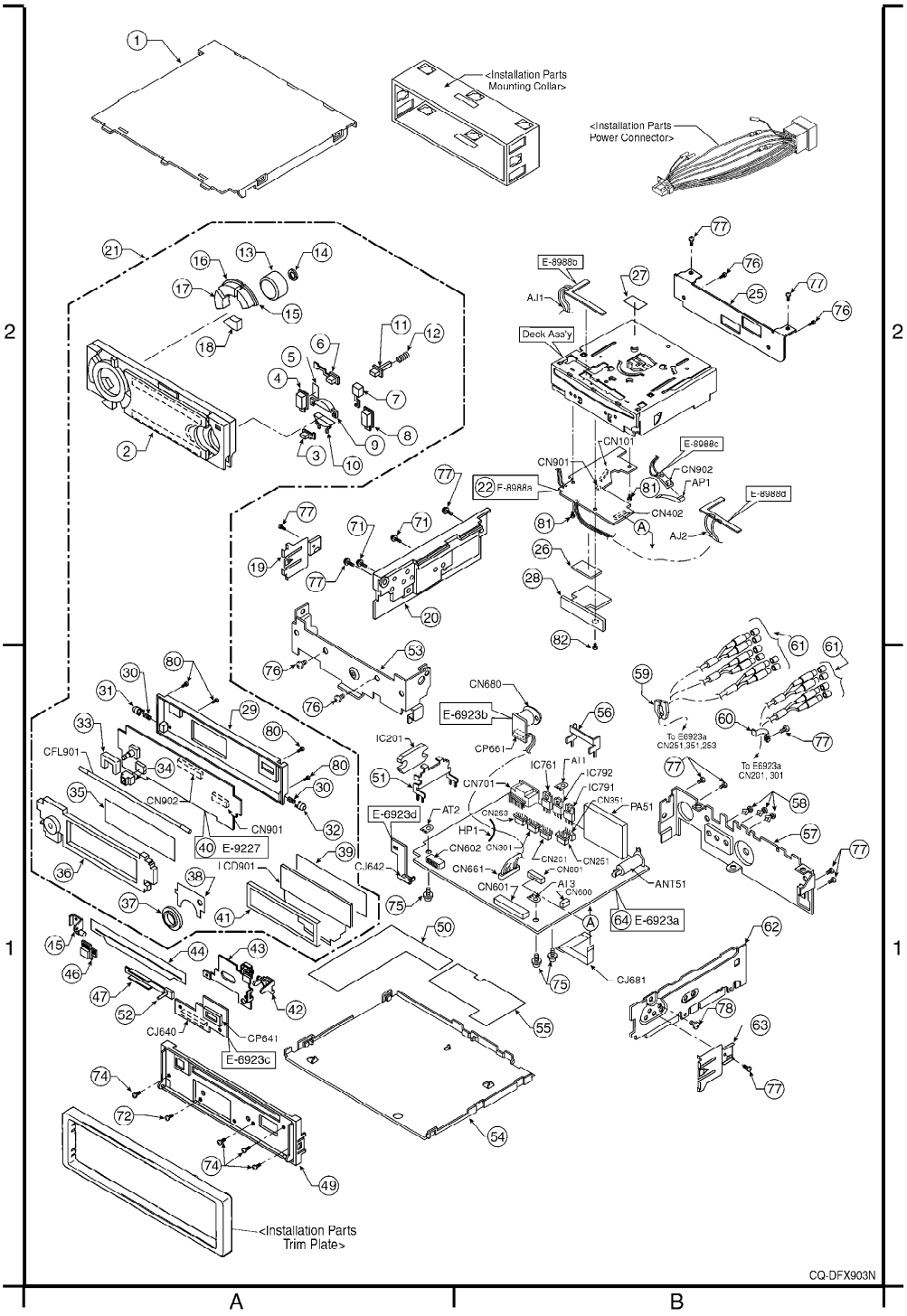
Ref. No.	Part No.	Part Name & Description	Remarks
CONNECTORs			
CN101	YEAESFW15R1E	Connector, 15P	
CN402	K1MN14B00028	Connector, 14P	
CN901	K1MN05B00010	Connector, 5P	
CN902	K1MN05B00009	Connector, 5P	
SWITCHEs			
SW2	K0L1BA000062	Switch	
SW4	YEAS09275	Switch	
CRYSTALs			
XL101	H2D169500008	Crystal	
XL201	H2D419400001	Crystal	
PRINTINGs			
	YEFM283962	Operating Instructions	
	YEFM292923	Installation Instructions	
	YEFM292928	Installation Instructions	
INSTALLATION PARTs			
	YEFX0215873	Mounting Collar	
	YEP0FZ3161A	Screws Kit	
	YEAJ02872	Power Cord	
	YEFA131646	Removable Face Plate Unit	
	YEFC05592	Trim Plate	
	YEFX9992499	Remote Control Unit	
	CR2025/1F	Lithium Battery	⚠
MISCELLANEOUs			
CN201	YEAE012656	Connector, RCA REAR	
CN251	YEAE012503	Connector, RCA (CDC IN)	
CN253	YEAJ011604	Connector, RCA / (SUB WOOFER OUT)	
CN301	YEAE012655	Connector, RCA FRONT	
CN351	K2KF29Z00013	Connector, RCA (AUX IN)	
CJ681	K9ZZ00000176	Connector	
ANT51	YEAA10090	Antenna Receptacle	
AT1-3	K4ZZ01000048	Terminal	
HP1	YEAT03324	Terminal	
1	YEFA031817A	Upper Cover	
2	YESFC02093	Escutcheon Ass'y	
3	YEFE137420	Button, Display	
4	YEFE137427	Button, Tune Down	
5	YEFV021929	Optical Shade	
6	YEFE137421	Button, Menu	
7	YEFE137418	Button, Band	
8	YEFE137426	Button, Tune Up	
9	YEFE137423	Button, Preset Up	
10	YEFE137424	Button, Preset Down	
11	YEFE137417	Button, Open	

11	TE 210 42	Button, Open	

Ref. No.	Part No.	Part Name & Description	Remarks
12	YEFX0052396	Spring	
13	YEFE07515	Knob, VOL	
14	YEFX0052572	Spring	
15	YEFE137425	Button, Dimmer	
16	YEFE137422	Button, Mute	
17	YEFE137419	Button, Source	
18	YEFE137557	Button, TA	
19	YEFX0216132	Mounting Bracket (L)	
20	YEFF011092A	Heat Sink	
21	YEP0FX4981	Removable Face Plate Unit	RTL
22	YEP0PT8988X9	PCB w/Component (CD Servo)	RTL
25	YEFX0216043	Bracket, CD Deck	
26	YEFS011800	Pad	
27	YEFM031399	Laser Sheel	
28	YEFF011070A	Radiator	
29	YEFA131717	Back Cover, Detachable	
30	YEFX0052253	Spring	
31	YEFW04157	Shaft Collar	
32	YEFW04156	Shaft Collar	
33	YEFS011938	Pad	
34	YEFK061071	Holder	
35	YEFX9993011	Reflection Sheet	
36	YEFX0012297	Transparent Plate	
37	YEFX0012299	Transparent Plate	
38	YEFV021928	Optical Shade	
39	YEFV021871	Optical Shade	
40	YEP0PT9227Y9	PCB w/Component (Display)	RTL
41	YEFX0216049	Bracket	
42	YEP9FX194	Bearing (R) Ass'y	
43	YEP9FX192	Hook Bracket Ass'y	
44	YEFS02404	Felt	
45	YEP9FX193	Bearing (L) Ass'y	
46	YEFE135147	Button, Eject	
47	YEFX0052670	Spring	
49	YEFC027799	Escutcheon Ass'y, Unit	
50	YEFV012227	Insulator	
51	YEFX0213945B	Bracket, IC	
52	YEFX9992957	Detection Lever Cup	
53	YEFA07629	Front Plate	
54	YEFA05851	Bottom Cover	
55	YEFV012237	Insulator	
56	YEFX0215878	Bracket, Regulator	
57	YEFA08573AK	Rear Plate	
58	YEFJ05046	Color Rivet	
59	YEFX007676	Cord Clamper	
60	YEFX007677	Cord Clamper	
61	YEFR04187	Lead Cap	
62	YEFA09746B	Side Plate	
63	YEFX0216133	Mounting Bracket (R)	
64	YEP0PT6923W9	PCB w/Component (Main)	RTL
71	YEJS06093	Screw, 3mm * 6mm	
72	YEJS06286	Screw,	
74	YEJS03020	Screw, 2mm * 4mm	

Ref. No.	Part No.	Part Name & Description	Remarks
75	YEJT03009	Tapping Screw, 3mm * 8mm	
76	YEJT03267	Tapping Screw,	
77	XTB3+6FFX	Tapping Screw, 3mm * 6mm	
78	XTB3+5FFZ	Tapping Screw, 3mm * 5mm	
80	XTN2+8GFZ	Tapping Screw, 2mm * 8mm	
81	XYN2+J4FX	Screw,	
82	XYN2+J6FX	Screw,	

16. EXPLODED VIEW (Unit) [CQ-DFX903N]



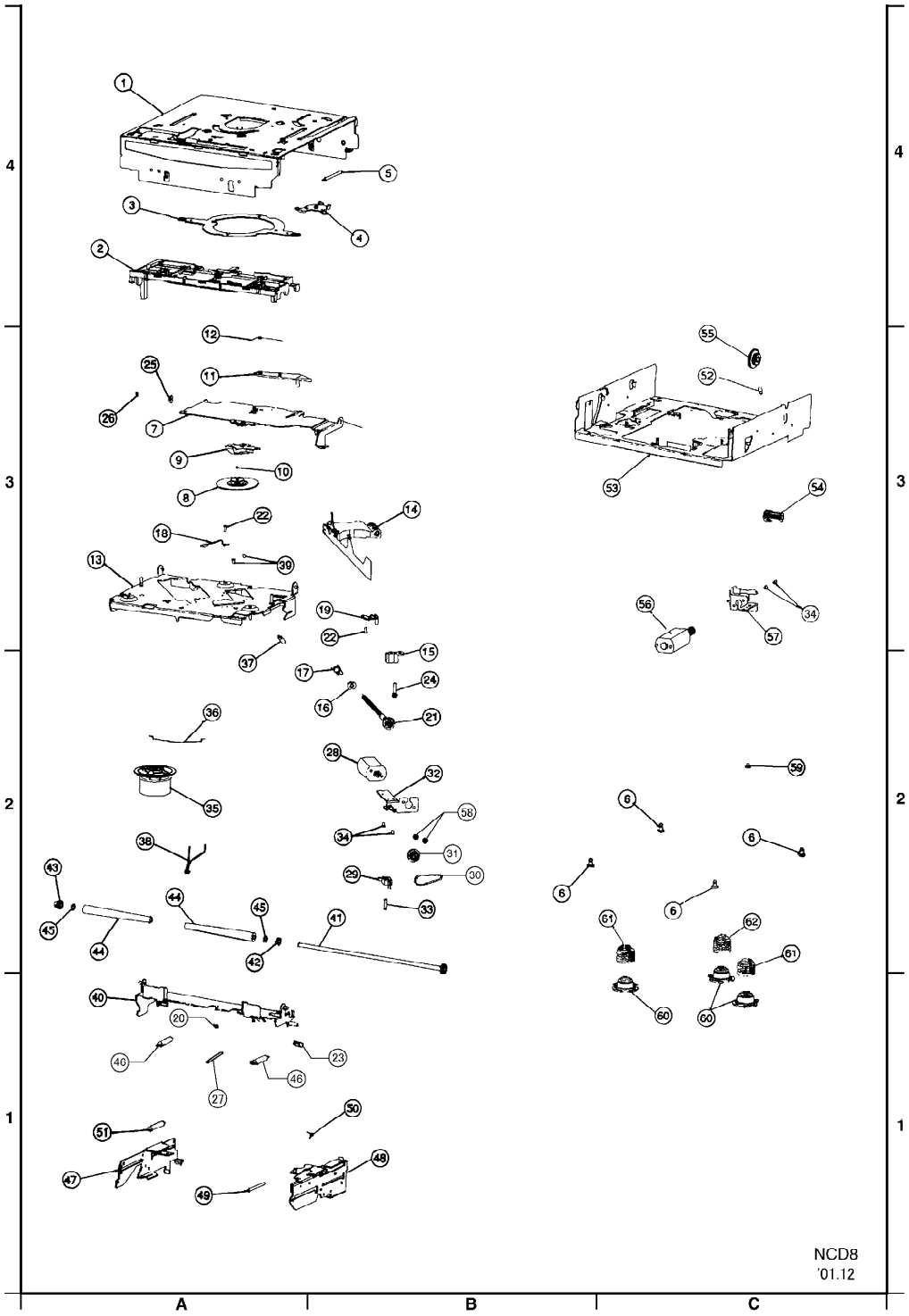
17. CD PLAYER PARTS

MISCELLANEOUS

Ref. No.	Part No.	Part Name & Description	Remarks
1	YGFA011781	Upper Chassis	(4-A)
2	YGFX236153	Disk Guide	(4-A)
3	YGFX0462017	Link Lever	(4-A)
4	YGFX0462018	Detection Lever (2)	(4-B)
5	YGFX0052357	Detection Lever (2) Spring	(4-B)
6	YEJT03216	Screw	(2-C) (2-B)
7	YGFX249461	Clamp Arm	(3-A)
8	YGFX007640	Clamper	(3-A)
9	YGFX0052363	Clamper Spring Plate	(3-A)
10	YEFX999957	Ball Bearing	(3-A)
11	YGFX0462013	Detection Lever (1)	(3-A)
12	YGFX0052352	Detection Lever (1) Spring	(3-A)
13	YGFA011947	Suspension Chassis Ass'y	(3-A)
14	YEP0FX4378	Optical Pick-up Ass'y	(3-B)
15	YGFW04150	Feed Screw Housing A	(2-B)
16	YGFW04137A	Feed Screw Housing B	(2-B)
17	YGFX0052386	Thrust Adjusting Spring	(2-B)
18	YEFX0052557	Traverse Guide	(3-A)
19	YGFX9992027	Feed Screw Carrier	(3-B)
20	YEFS011723	Rubber Pad (2)	(1-A)
21	YEJT03211	Traverse Gear Ass'y	(2-B)
22	YEJS02037A	Screw, (Pick-up)	(3-A)(3-B)
23	YEFS011712	Rubber Pad (1)	(1-A)
24	XYN2+J10FX	Screw, (Housing) 2mm * 10m	(2-B)
25	YGFX0051590	Spring Washer	(3-A)
26	XUC15V	Retaining Ring, 1.5mm	(3-A)
27	YGFX0052395	Offset Spring	(1-A)
28	YGP0FX4162	Traverse Motor Ass'y	(2-B)
29	YEAS23151A	Inner Switch	(2-B)
30	YEFR03080	Rubber Belt	(2-B)
31	YGFX026124A	Idler Pulley	(2-B)
32	YGFX018658	Motor Bracket Ass'y	(2-B)
33	YEJS02018FZ	Screw, (SW)	(2-B)
34	YEJS06097A	Screw, 2mm * 25mm	(2-B)
35	YGP0FX3529	Spindle Motor Ass'y	(2-A)
36	YGFX0051991C	Spring (Motor)	(2-A)
37	YGFX0052353	Clamper Spring	(2-A)
38	YGAJ071286	Motor Cable	(2-A)
39	XQN17+A25FX	Screw, 1.7mm * 25mm	(3-A)
40	YGFX0462019	Feeder Arm Ass'y	(1-A)
41	YGP0FX3507	Roller Gear Ass'y	(2-B)
42	YGFW04144	Roller Shaft Collar (1)	(2-A)
43	YGFW04138	Roller Shaft Collar (2)	(2-A)
44	YGFX218310	Rubber Roller	(2-A)
45	YEJW05169	Washer	(2-A)
46	YGFX0052362	Spring (Feeder Arm)	(1-A)
47	YGFX0462015A	Suspension Lock Plate (L)	(1-A)
48	YGP0FX3504	Suspension Lock Plate (R) Ass'y	(1-B)
49	YGFX0052355	Spring (Rack Gear)	(1-A)
50	YGFX0052356	Spring (Rack Lock Lever)	(1-B)
51	YGFX0052360	Spring (Suspension Lock Plate L)	(1-A)
52	YGFX0052361	Spring (Lock Plate)	(3-C)
53	YGFA011779	Bottom Chassis Ass'y	(3-C)
54	YGFX003940	Driving Gear (1)	(3-C)

Ref. No.	Part No.	Part Name & Description	Remarks
55	YGFX003941	Driving Gear (2)	(3-C)
56	YGP0FX4167	Loding Motor Ass'y	(3-C)
57	YGFX018660	Loding Motor Bracket Ass'y	(3-C)
58	XQN2+A25FX	Screw, 2mm * 25mm	(2-B)
59	YEJS06188	Screw	(2-C)
60	YGFS04755	Oil Dumper	(1-C)
61	YGFX0052358	Suspension Spring (A)	(2-C)
62	YGFX0052359	Suspension Spring (B)	(2-C)

18. EXPLODED VIEW (CD Deck)



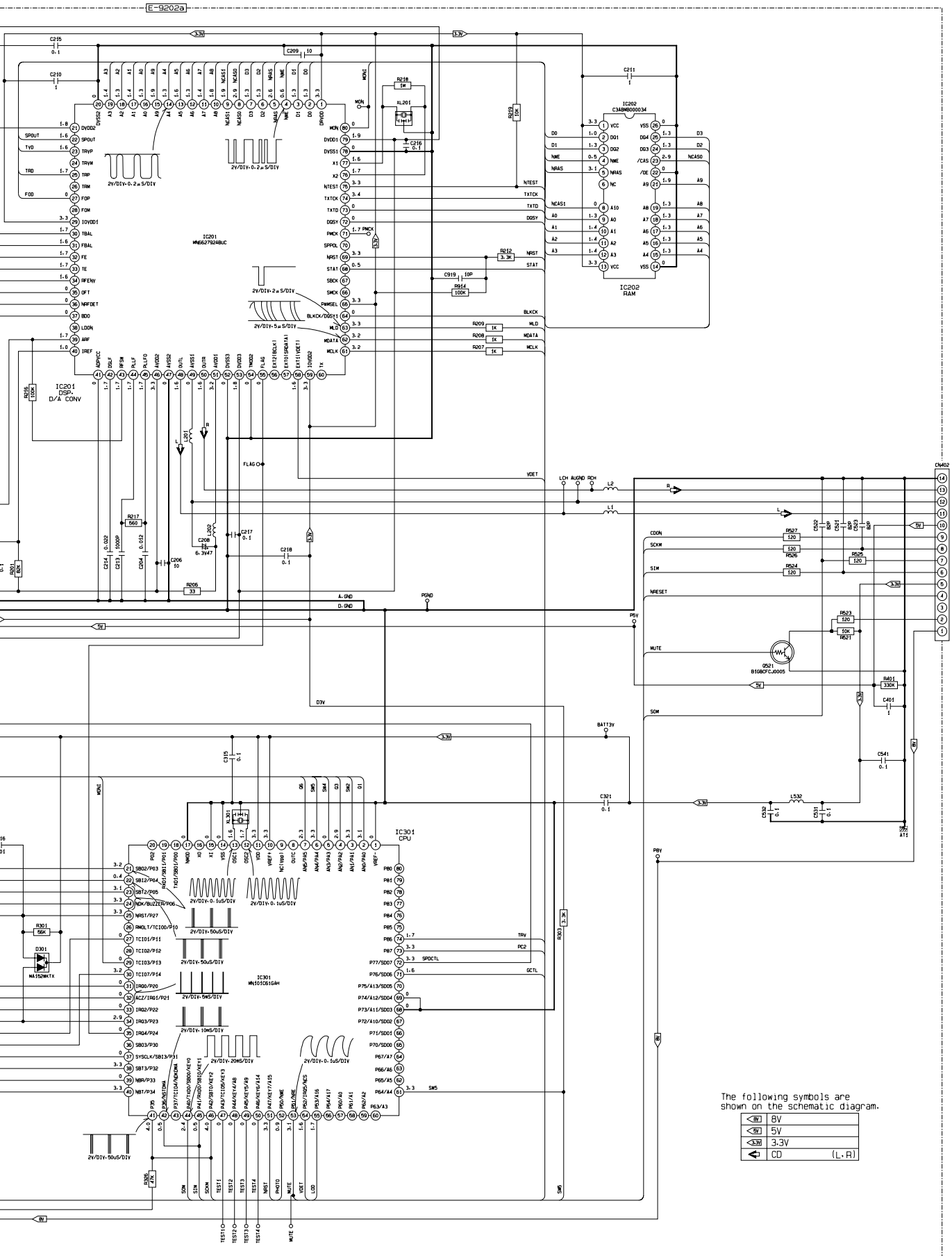
19. WIRING DIAGRAM

19.1. Front SW / Interface Block

19.2. Display Block

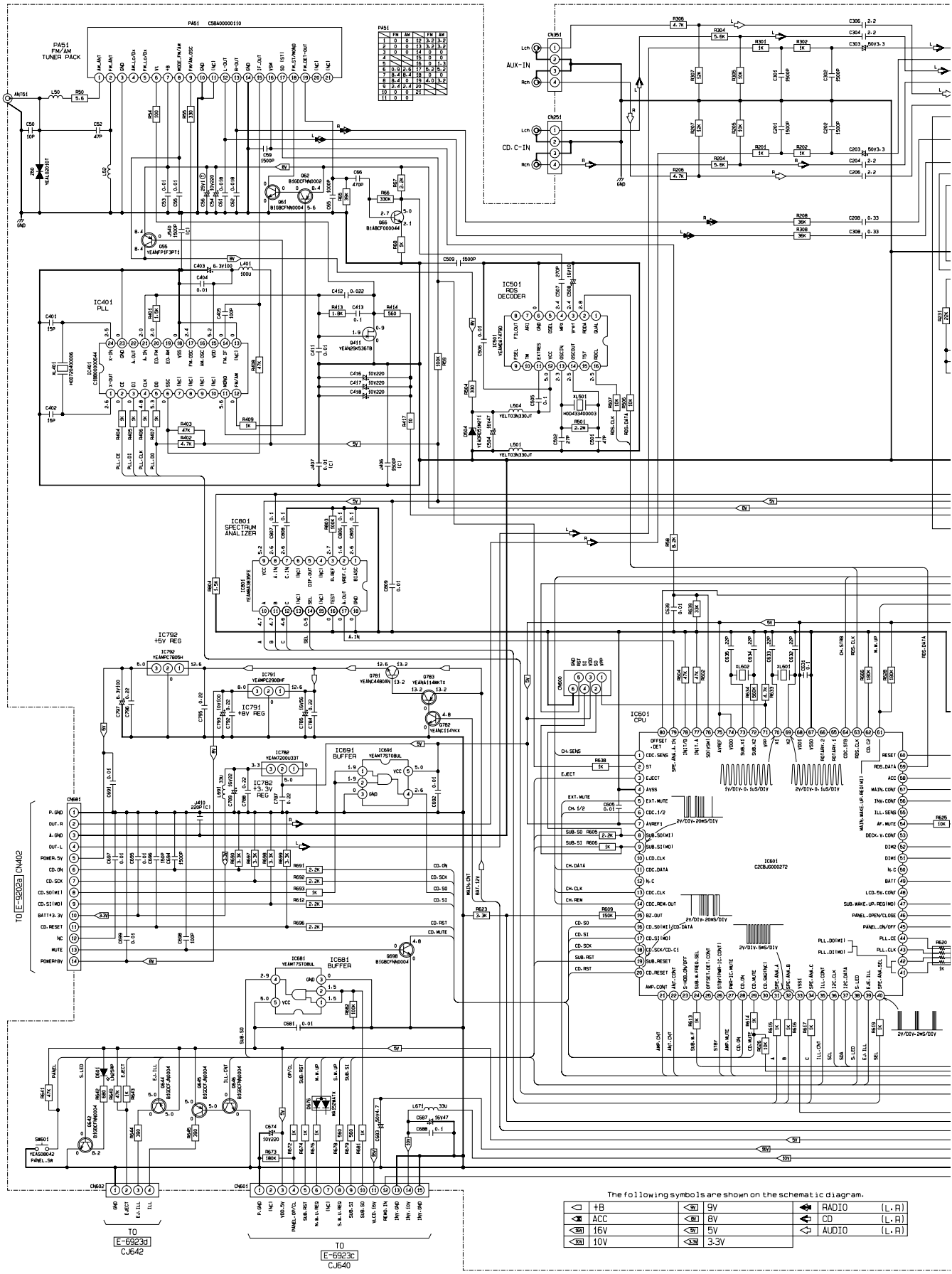
19.3. Main Block (Top View)

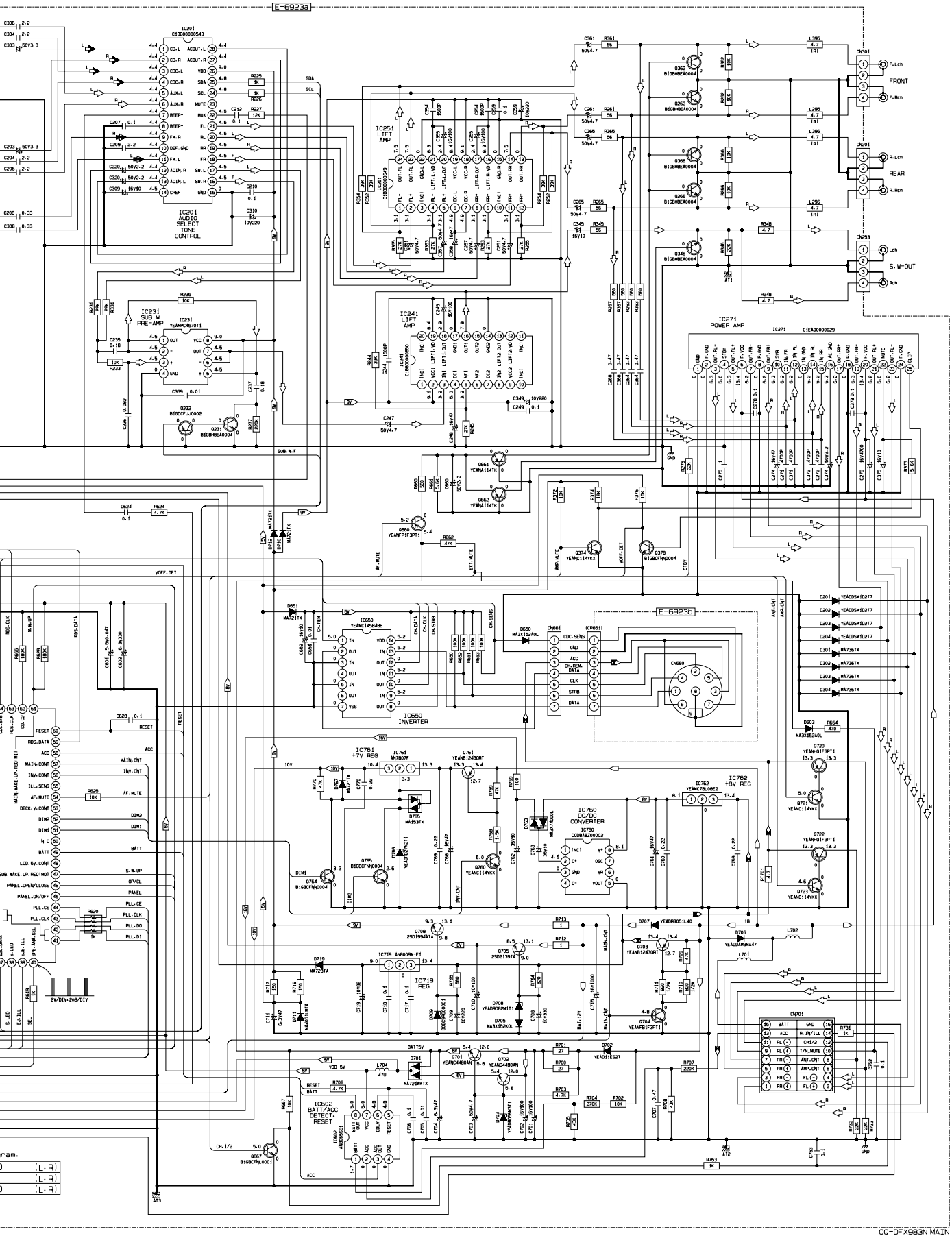
19.4. Main Block (Bottom View)
19.5. CD Servo Block (Top View) [CQ-DFX983N]
19.6. CD Servo Block (Bottom View) [CQ-DFX983N]
19.7. CD Servo Block (Top View) [CQ-DFX903N]
19.8. CD Servo Block (Bottom View) [CQ-DFX903N]
20. SCHEMATIC DIAGRAM-1
20.1. Interface/ Front SW Block
21. SCHEMATIC DIAGRAM-2
21.1. Main Block [CQ-DFX983N]
21.2. Main Block [CQ-DFX903N]
21.3. Display Block
21.4. CD Servo Block [CQ-DFX983N]
21.5. CD Servo Block [CQ-DFX903N]
22. SCHEMATIC DIAGRAM for Printing with A4 Size
22.1. Main Block [CQ-DFX983N] (Left Side)
22.2. Main Block [CQ-DFX983N] (Right Side)
22.3. Main Block [CQ-DFX903N] (Left Side)
22.4. Main Block [CQ-DFX903N] (Right Side)
22.5. Display Block (Left Side)
22.6. Display Block (Right Side)
22.7. CD Servo Block [CQ-DFX983N] (Left Side)
22.8. CD Servo Block [CQ-DFX983N] (Right Side)
22.9. CD Servo Block [CQ-DFX903N] (Left Side)
22.10. CD Servo Block [CQ-DFX903N] (Right Side)


E-9202a
IC201
MN662792ABUC
DSP,
D/A CONV
IC202
C34BM8000034
RAM
IC301
CPU
MN101C61GAH
TO E-6923a CN681
CN402
The following symbols are
shown on the schematic diagram.
8V
5V
3.3V
CD (L.R)

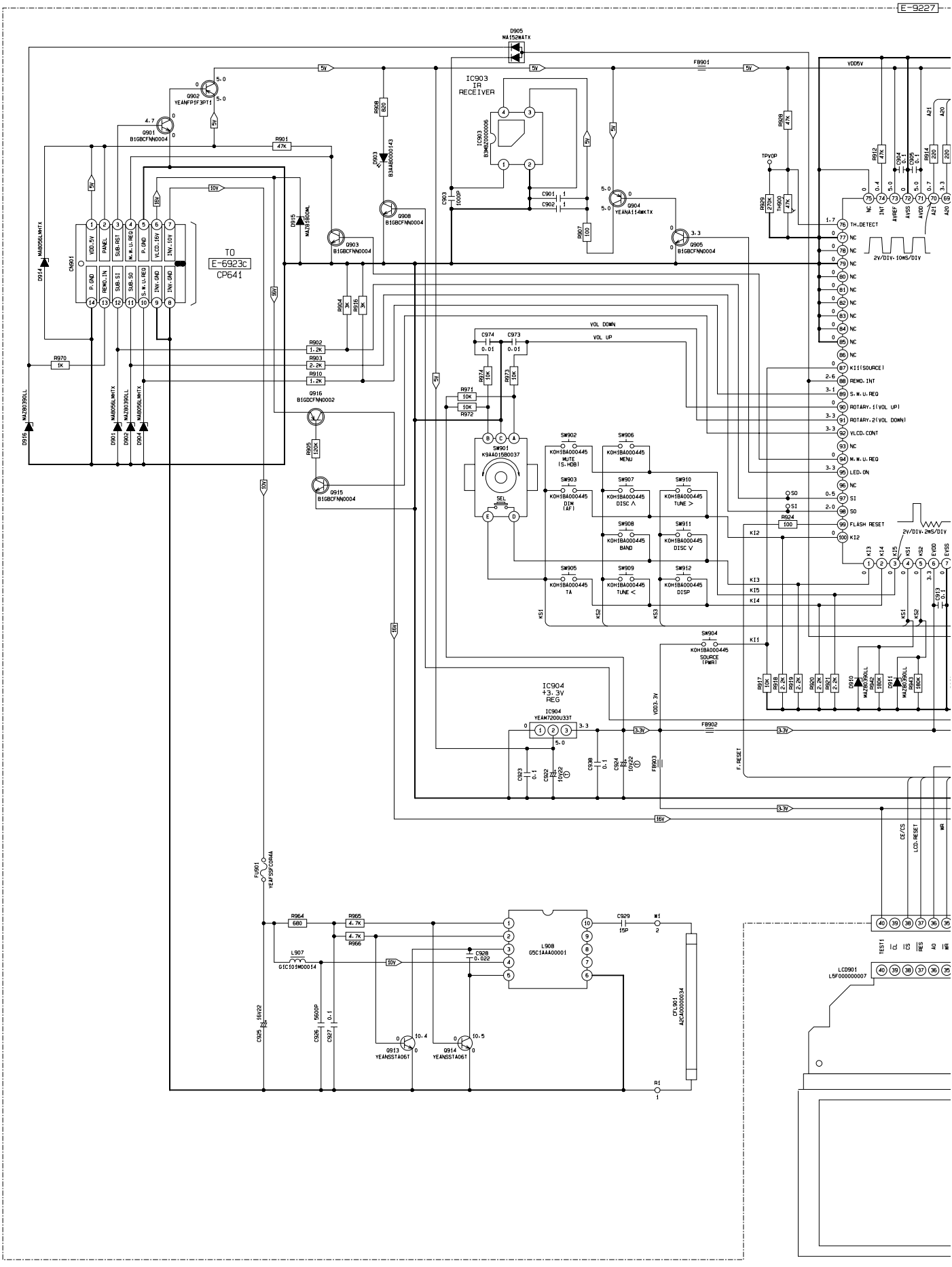
21 SCHEMATIC DIAGRAM-2

21.1. Main Block [CQ-DFX983N]

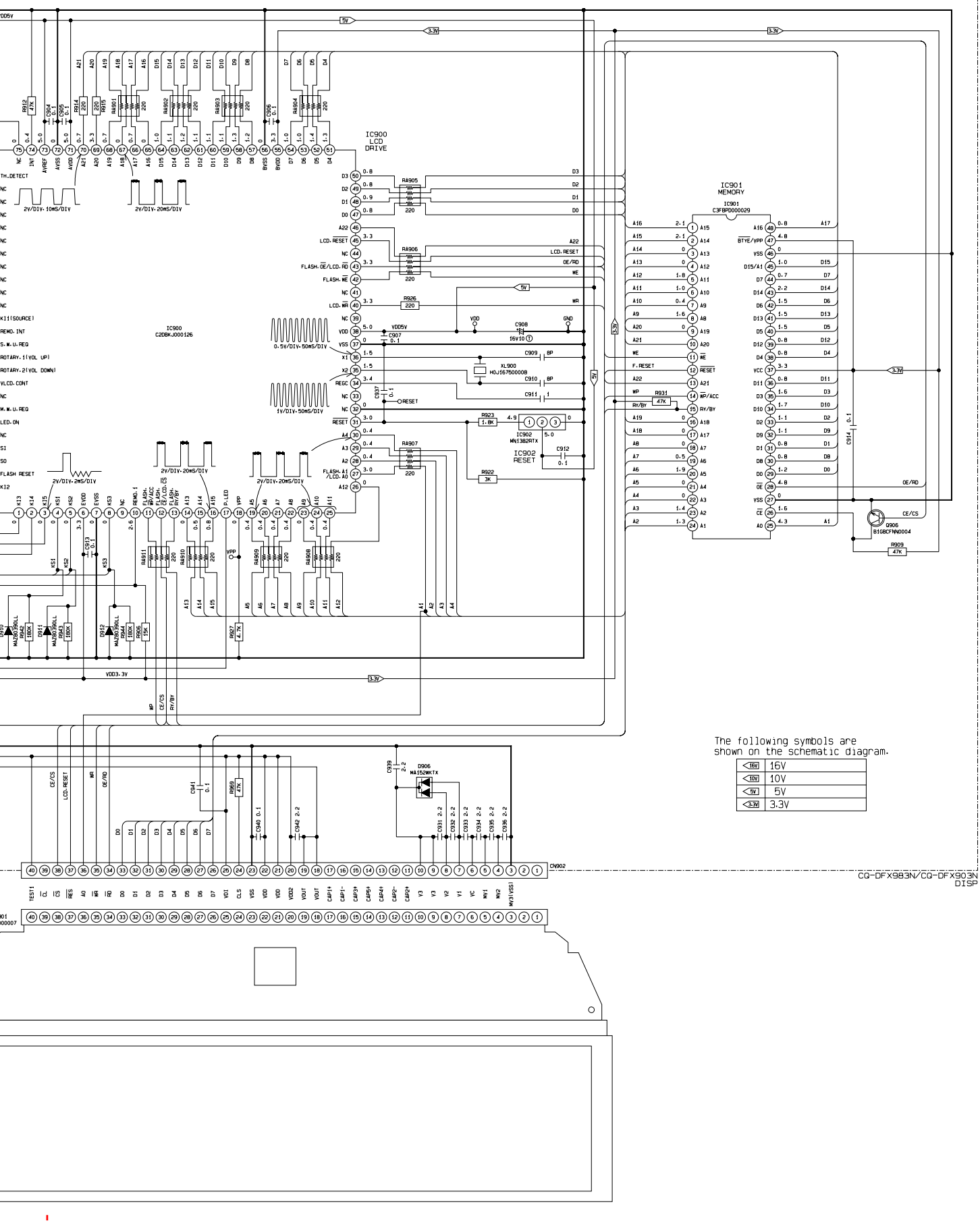



E-6923a
IC201
AUDIO SELECT TONE CONTROL
IC231
SUB W PRE-AMP
IC241
LIFT AMP
IC251
LIFT AMP
IC271
POWER AMP
FRONT
REAR
S.W-OUT
E-6923b
IC650
INVERTER
IC761
+7V REG
IC762
+8V REG
IC760
DC/DC CONVERTER
IC719
REG
IC602
BATT/ACC DETECT-RESET
CN701
CQ-DFX983N MAIN

21.3. Display Block



E-9227



CQ-DFX983N/CQ-DFX903N
DISP

E-8988a

To
Optical Pick-up Ass'y

CN101

IC101
SERVO
PROCESSOR
DAC

IC101
C1BB000000414

IC301
MOTOR
DRIVER

IC301
C0GBY0000012

IC201
CPU

IC201
C2BBFD000365

The following symbols
are shown on the
schematic diagram.

8V	8V
5V	5V
CD	(L.R)

CN403

CN402

TO
E-6923a
CN681

E-8988c
Spindle
Motor
Traverse
Motor

E-8988d
Loading Motor

E-8988b

CQ-DFX903N CD DECK (NCD8)

E-6923a

PA51 FM/AM TUNER PACK

IC401 PLL

IC501 RDS DECODER

IC201 AUDIO SELECT TONE CONTROL

IC231 SUB W PRE-AMP

IC271 POWER AMP

IC801 SPECTRUM ANALIZER

IC792 +5V REG

IC791 +10V REG

IC681 BUFFER

IC501 CPU

IC650 INVERTER

IC761 +7V REG

IC762 +8V REG

IC760 DC/DC CONVERTER

IC719 REG

IC602 BATT/ACC DETECT-RESET

E-6923d

E-6923c

CN402

CN602

CN601

CN701

CN651

CN661

CN680

CN301

CN201

CN253

CN651

CN661

CN701

CN601

CN602

CN402

TO E-6923d CJ642

TO E-6923c CJ640

The following symbols are shown on the schematic diagram.

+B	8V			
ACC	5V			
16V	RADIO	(L,R)		
10V	CD	(L,R)		
9V	AUDIO	(L,R)		

CQ-DFX903N MAIN

E-9202a

OPTICAL HOLOGRAM PICK-UP

IC101 CXB8000006624 RF AMP

IC201 MN662752HABUC DSP, D/A CONV

IC202 C3ABM8000034 RAM

IC301 MN101C61GAH CPU

IC901 C0BBY0000012 COIL-DRIVE-MOTOR DRIVE

Q101 2SB766ATX

Q901 B1BDC0000002

Q902 2SB766ATX

Q903 B1GDCFJN0011

Q451 B1GBCFCJ0000

Q521 B1GBCFCJ0005

D901 MA152WATX

D301 MA152WKTX

D1 YEADAN1102W

D3 YEADAN1102W

D6 YEADAN1102W

XL201 21MHz

L101 AT2

L201 L2

L532

L903 F12JE2220001

CN101

CN901

CN902

CN402

E-9202c Loading Motor

E-9202b Spindle Motor / Traverse Motor

E-9202d

TO E-6923a CN801

The following symbols are shown on the schematic diagram.

8V	8V
5V	5V
3.3V	3.3V
CD	(L.R)

E-6923a

PA51 FM/AM TUNER PACK

IC401 PLL

IC501 RDS DECODER

IC231 SUB W PRE-AMP

IC201 AUDIO SELECT TONE CONTROL

IC241 LIFT AMP

IC251 LIFT AMP

IC271 POWER AMP

IC801 SPECTRUM ANALIZER

IC792 +5V REG

IC791 +8V REG

IC782 +3.3V REG

IC691 BUFFER

IC681 BUFFER

IC601 CPU

IC761 +7V REG

IC762 +8V REG

IC760 DC/DC CONVERTER

IC719 REG

IC602 BATT/ACC DETECT-RESET

IC650 INVERTER

E-6923d

E-6923c

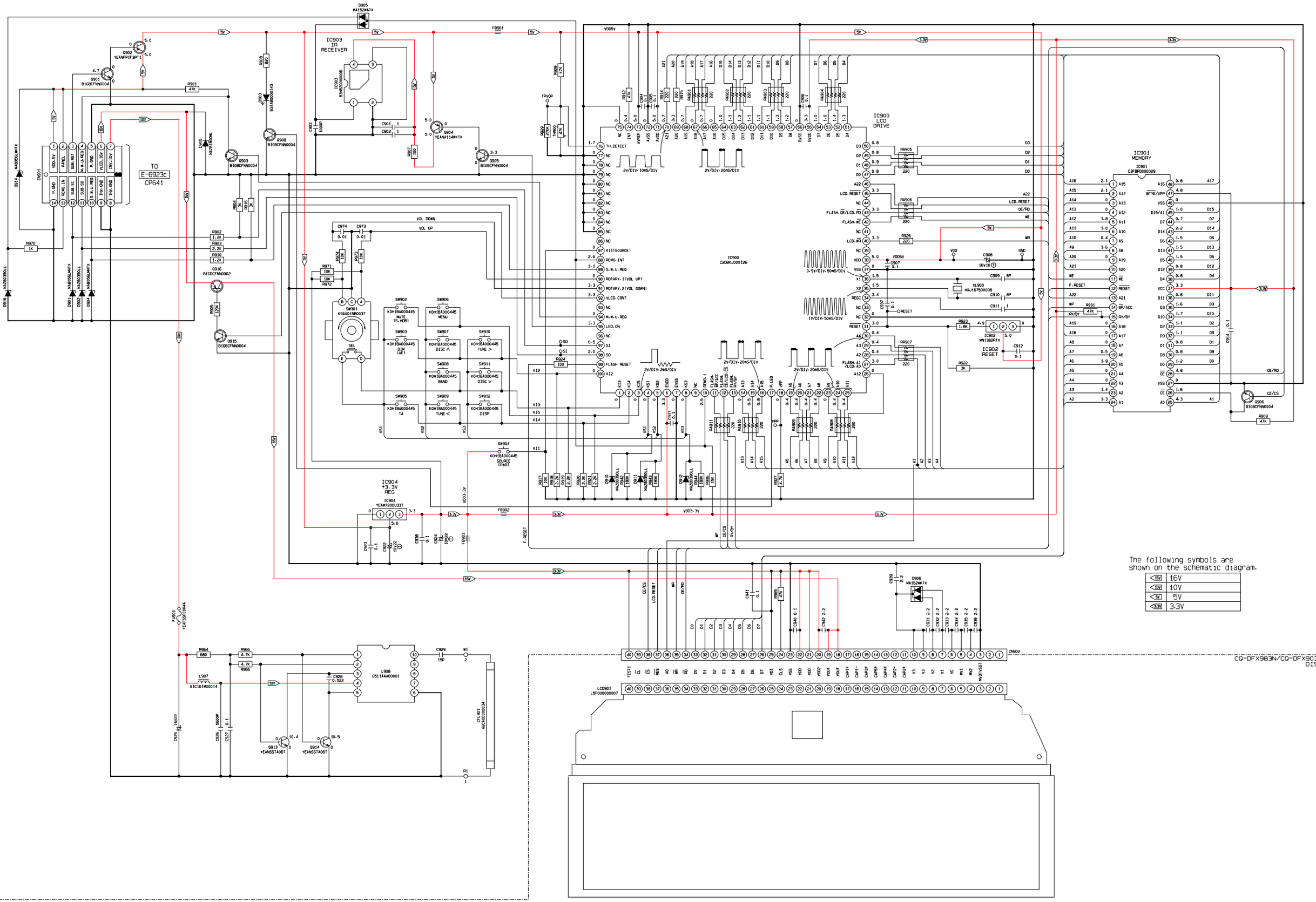
TO E-6923d CJ642

TO E-6923c CJ640

The following symbols are shown on the schematic diagram.

+B	9V	9V	RADIO	(L.R)
ACC	8V	8V	CD	(L.R)
16V	5V	5V	AUDIO	(L.R)
10V	3.3V	3.3V		

CQ-DFX983N MAIN

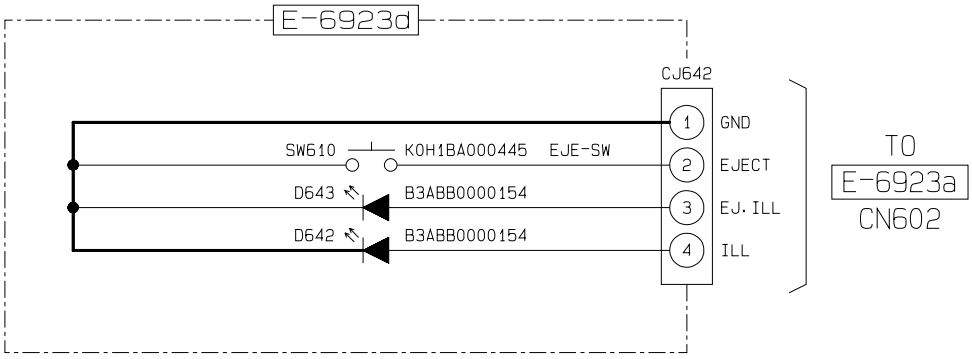


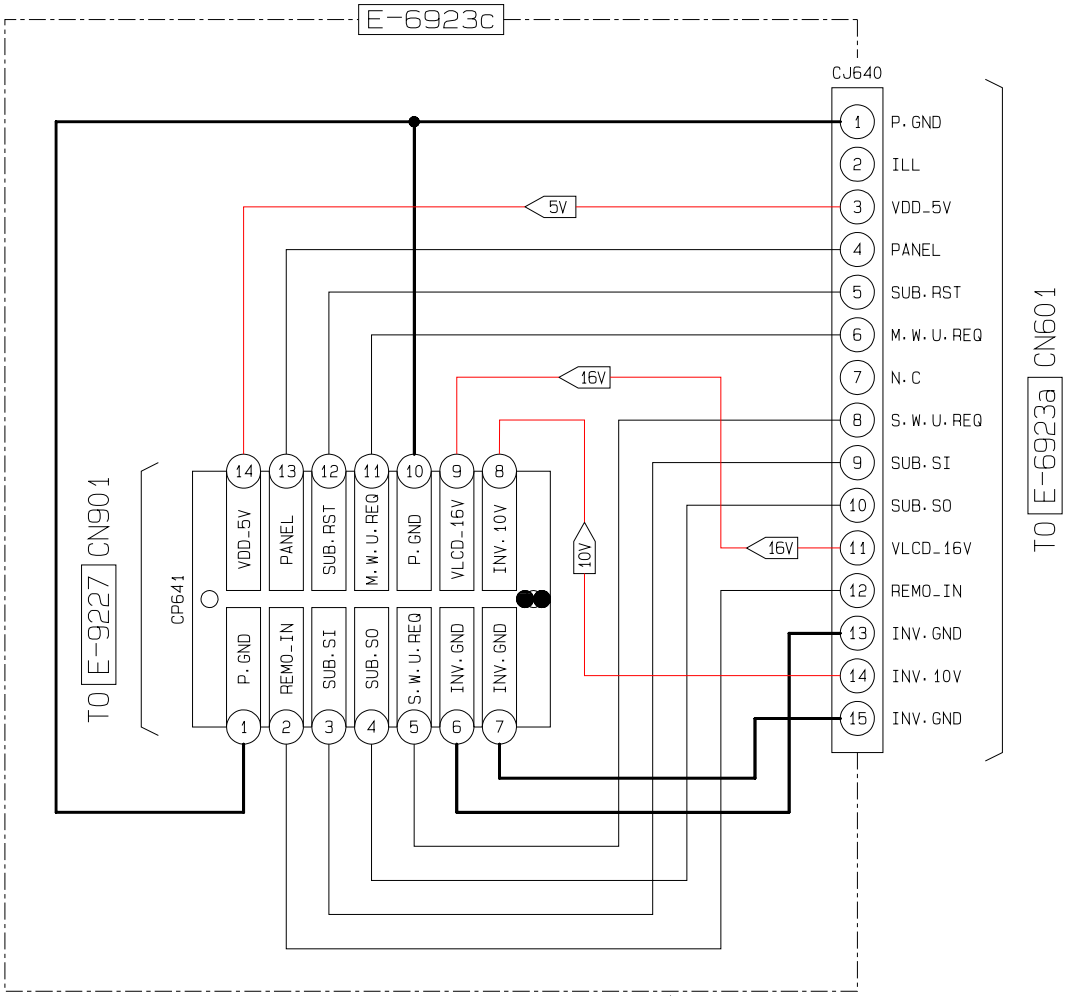
The following symbols are shown on the schematic diagram.

16V	16V
10V	10V
5V	5V
3.3V	3.3V

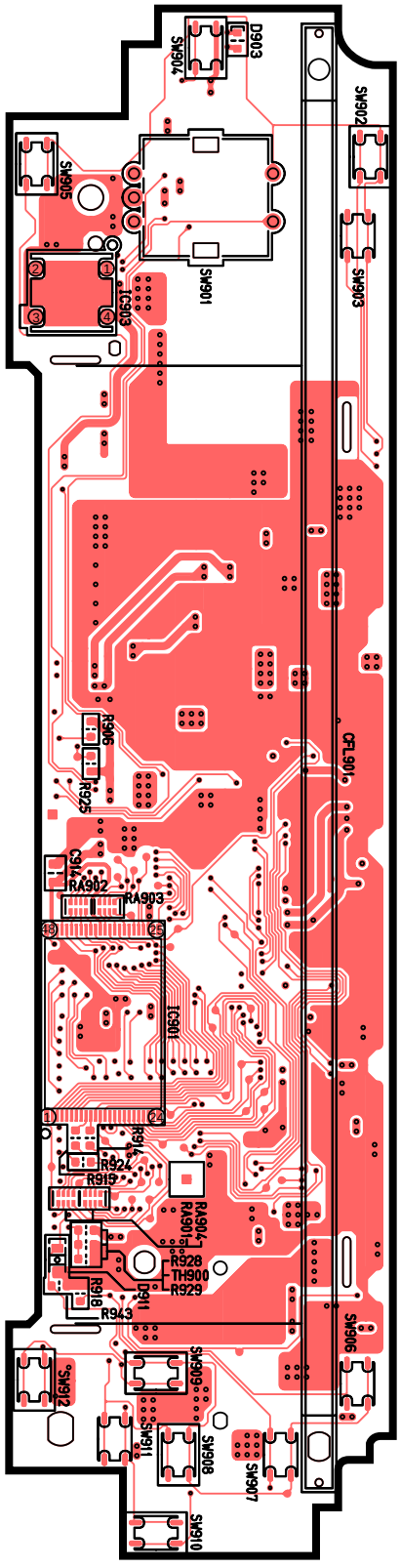
The following symbols are shown on the schematic diagram.

16V	16V
10V	10V
5V	5V

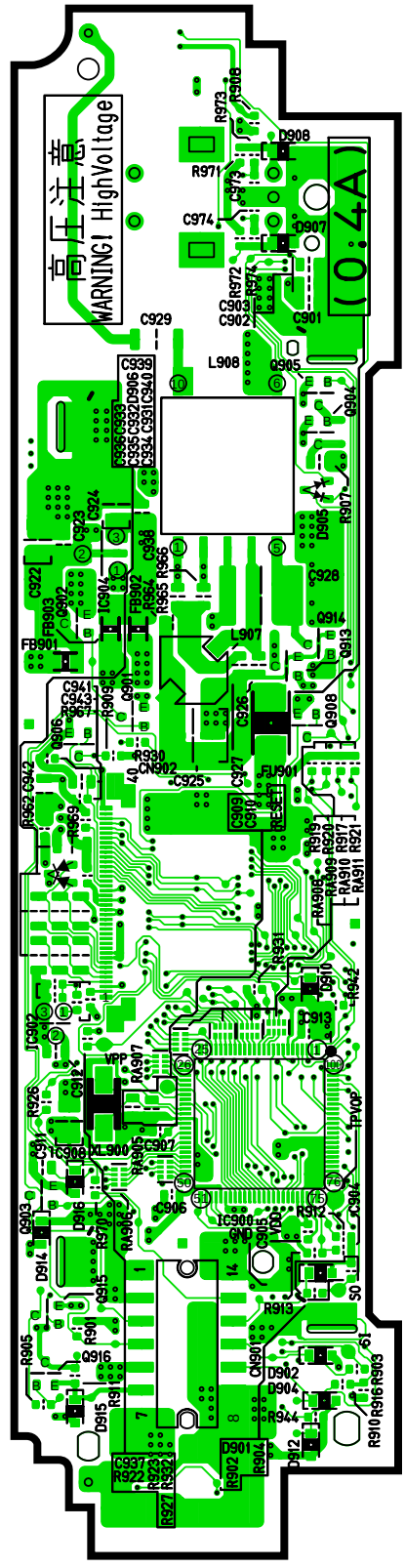




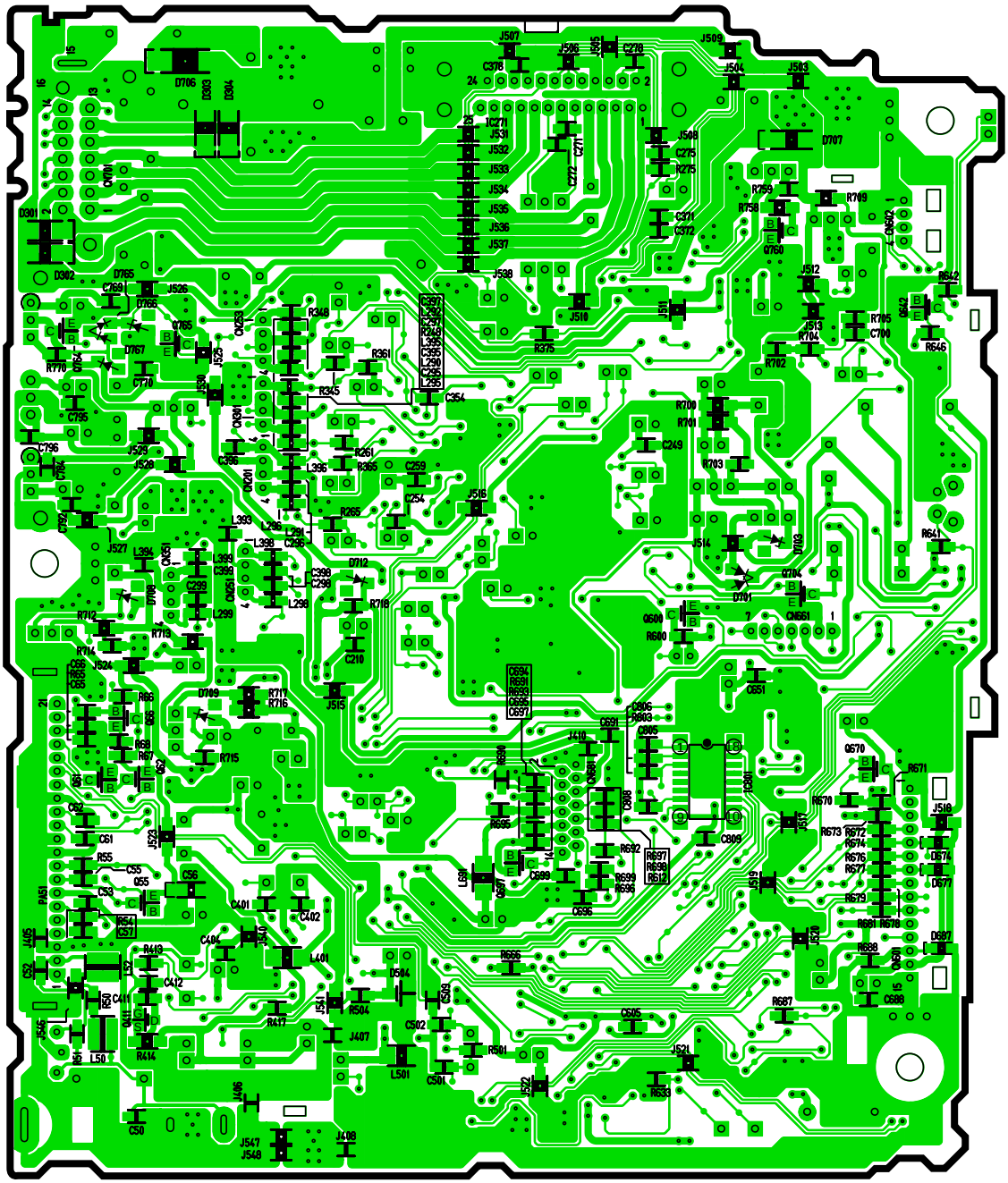
CQ-DFX983N/CQ-DFX903N



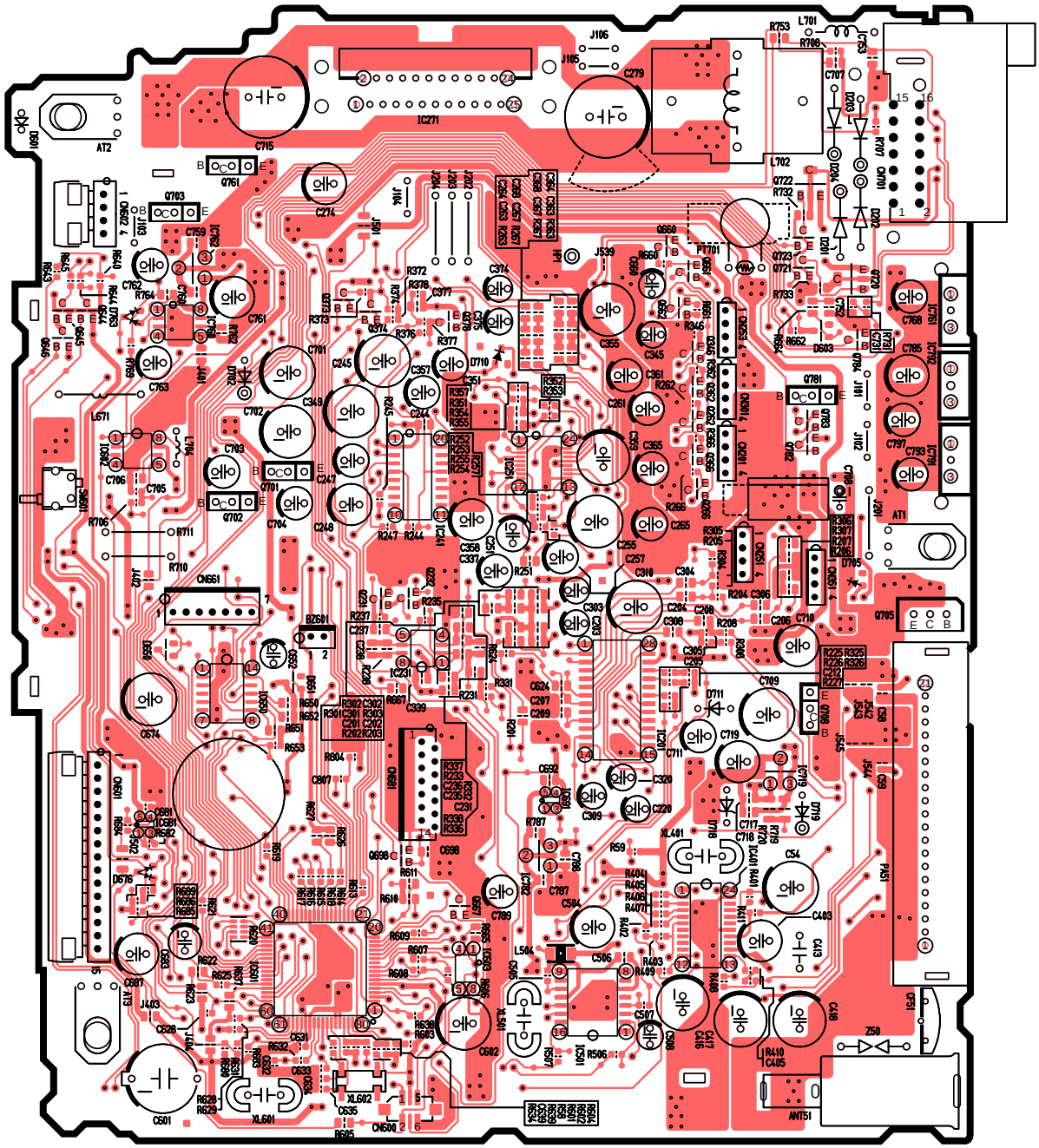
[E-9227] [Top View]



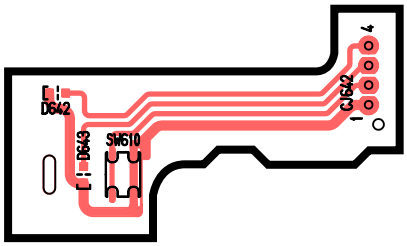
[E-9227] [Bottom View]



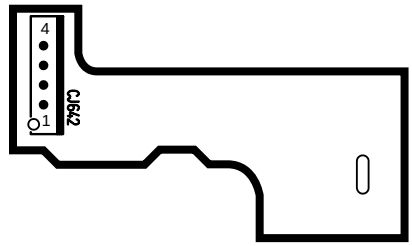
[E-6923a] [Bottom View]



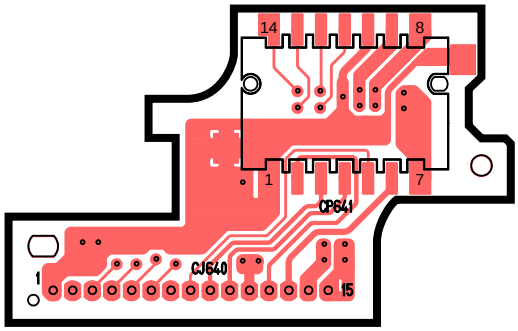
[E-6923a] [Top View]



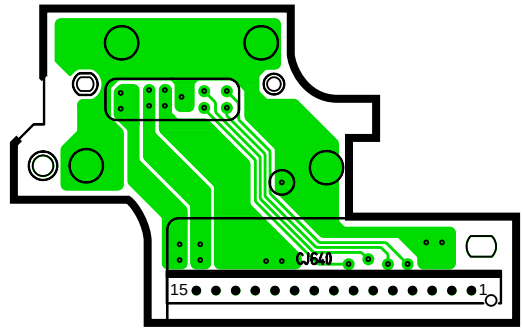
[E-6923d] [Top View]



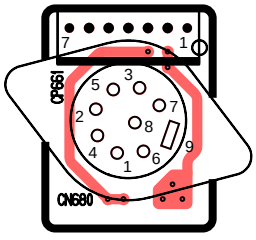
[E-6923d] [Bottom View]



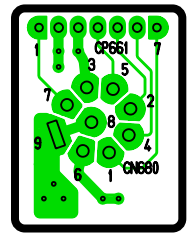
[E-6923c] [Top View]



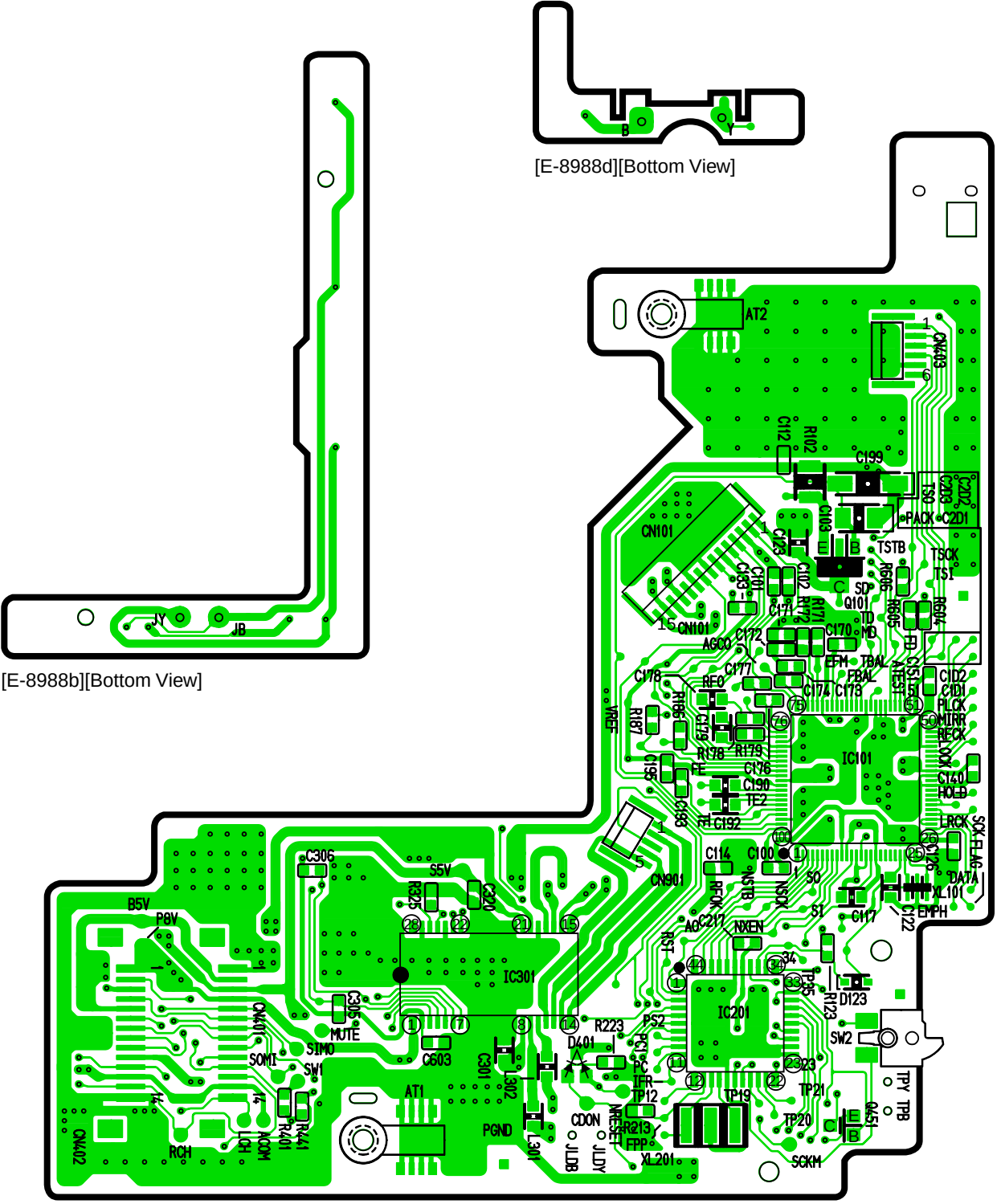
[E-6923c] [Bottom View]

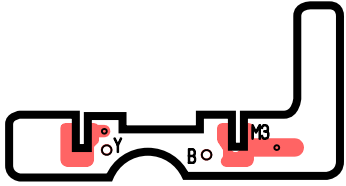


[E-6923b] [Top View]

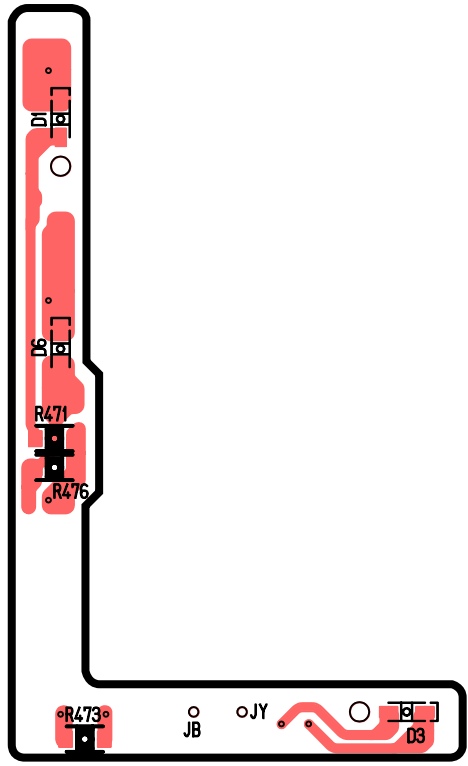


[E-6923b] [Bottom View]

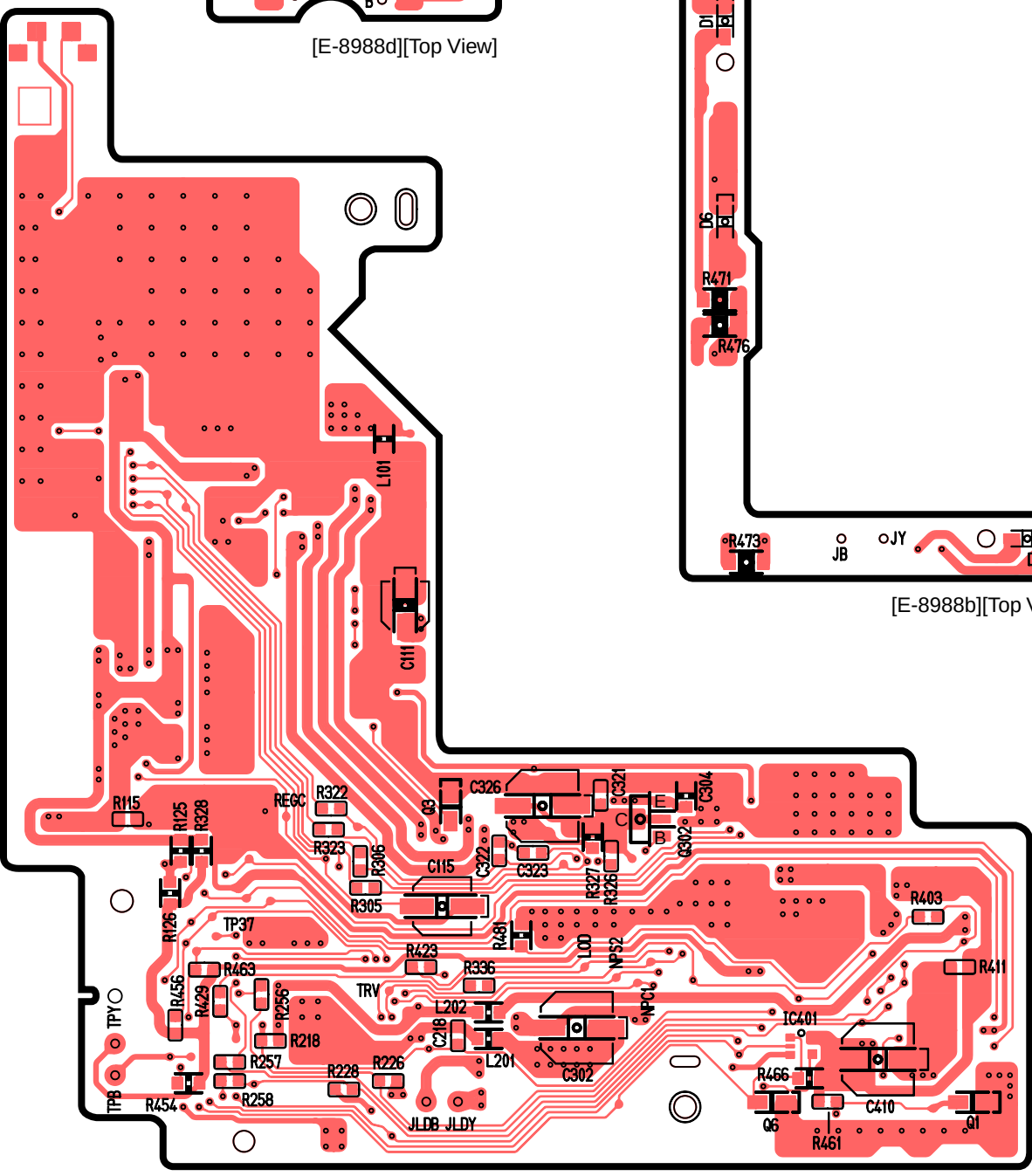

B
[E-8988d][Bottom View]
JY
JB
[E-8988b][Bottom View]
AT2
CN403
CN101
CN901
IC101
IC201
IC301
CN402
CN902
AT1
[E-8988a][Bottom View]
M1
SPN+
SPN-
M2
TRV+B
TRV-Y
SW5
[E-8988c][Bottom View]



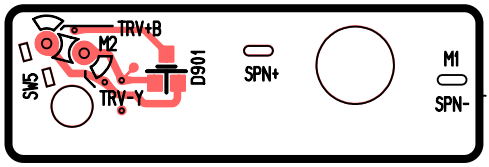
[E-8988d][Top View]



[E-8988b][Top View]

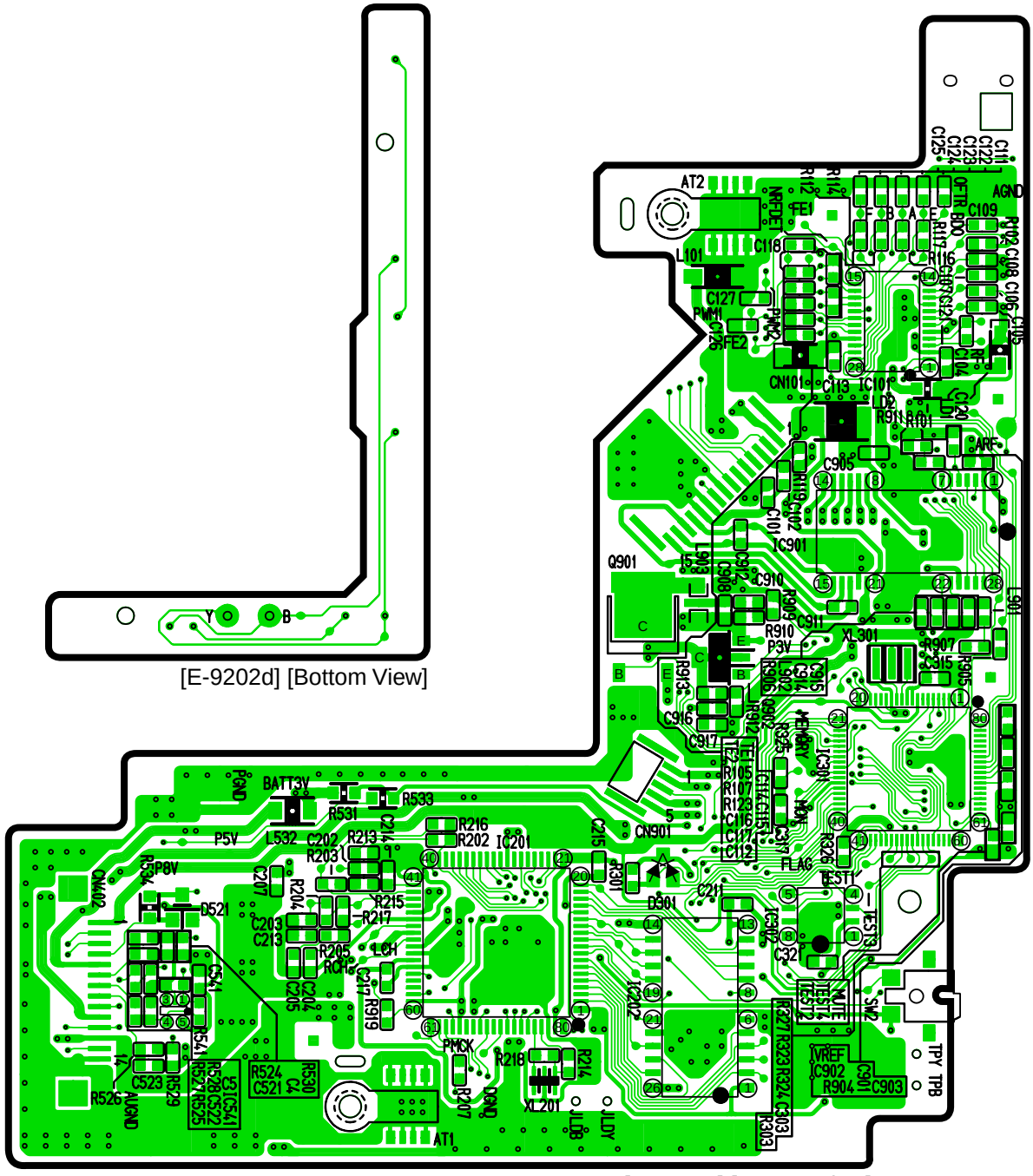


[E-8988a][Top View]

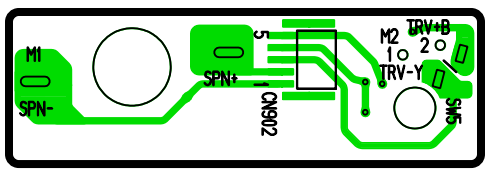


[E-8988c][Top View]

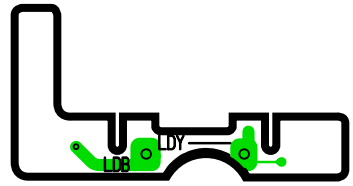
[E-9202d] [Bottom View]



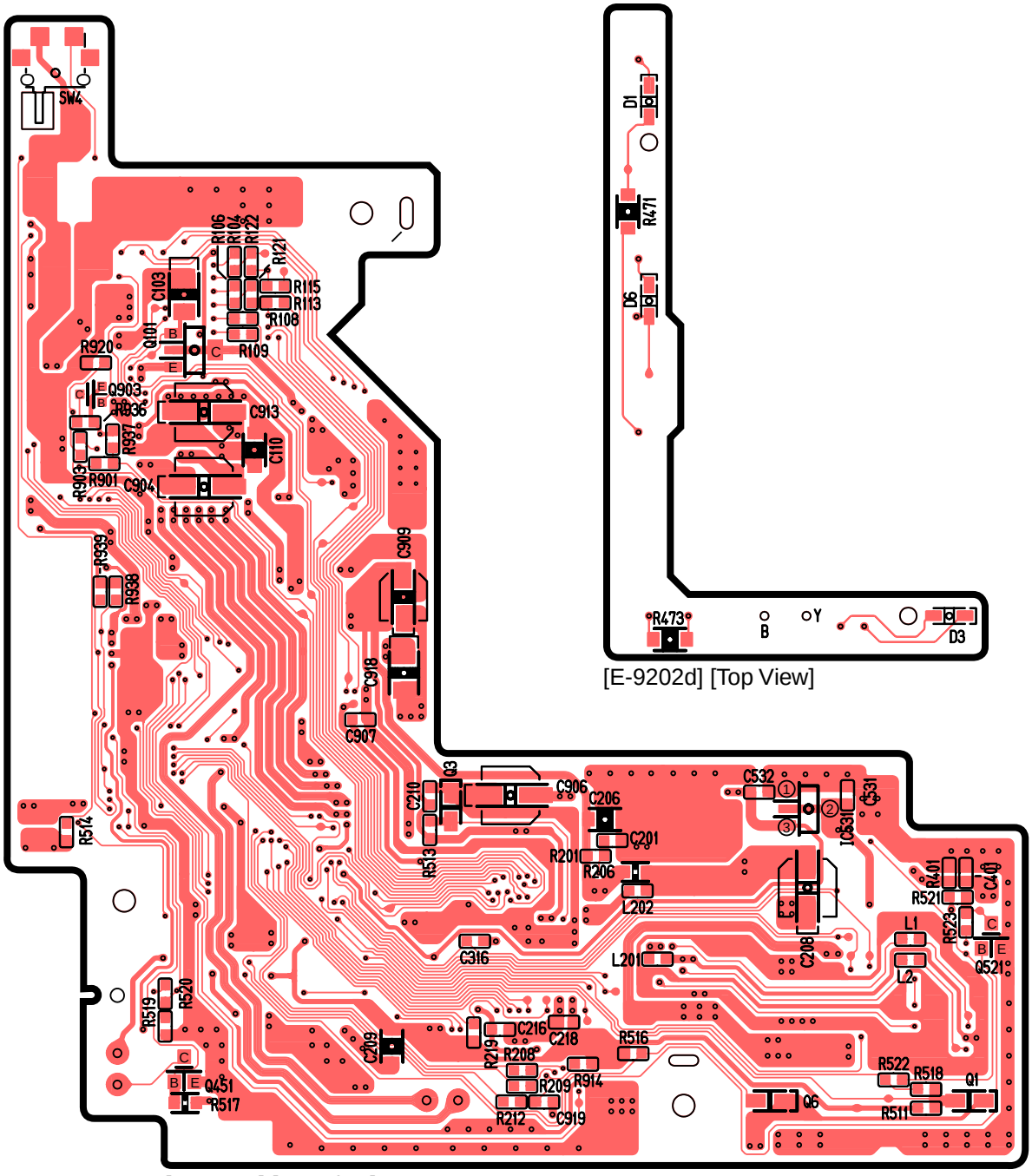
[E-9202a] [Bottom View]



[E-9202b] [Bottom View]

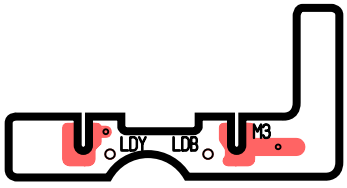


[E-9202c] [Bottom View]

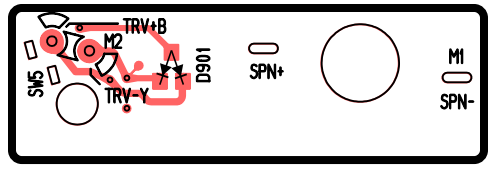


[E-9202a] [Top View]

[E-9202d] [Top View]

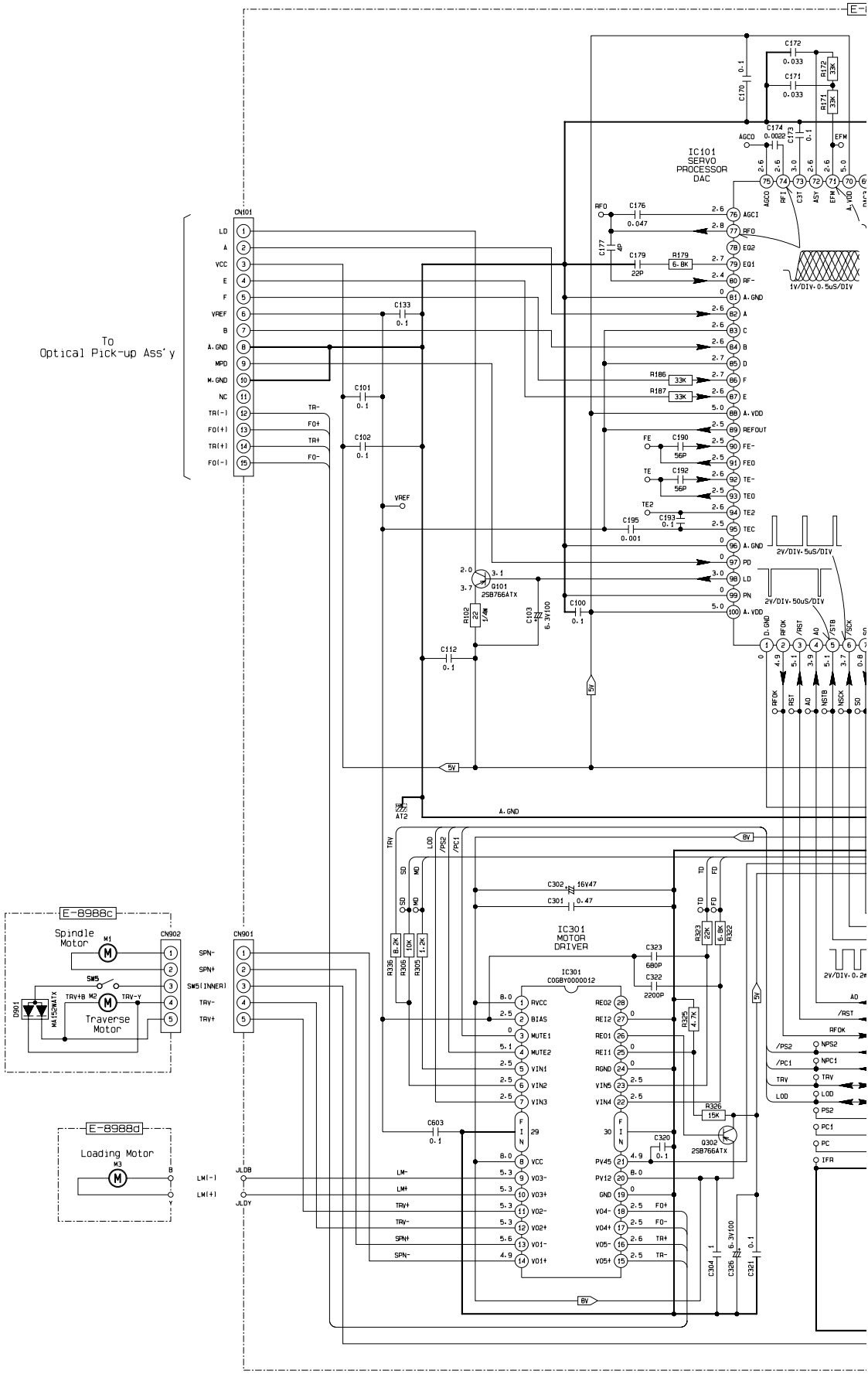


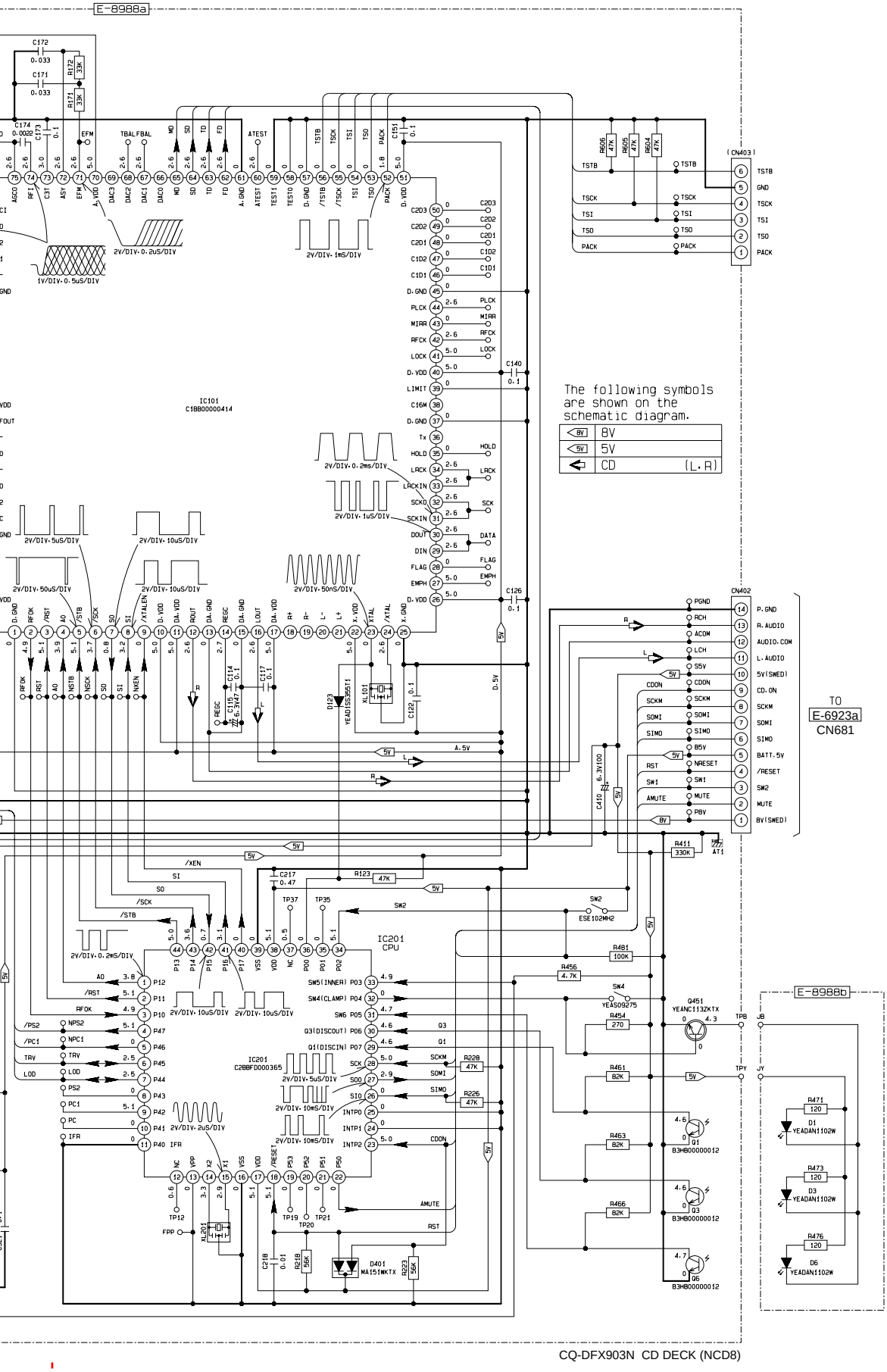
[E-9202c] [Top View]



[E-9202b] [Top View]

21.5. CD Servo Block [CQ-DFX903N]

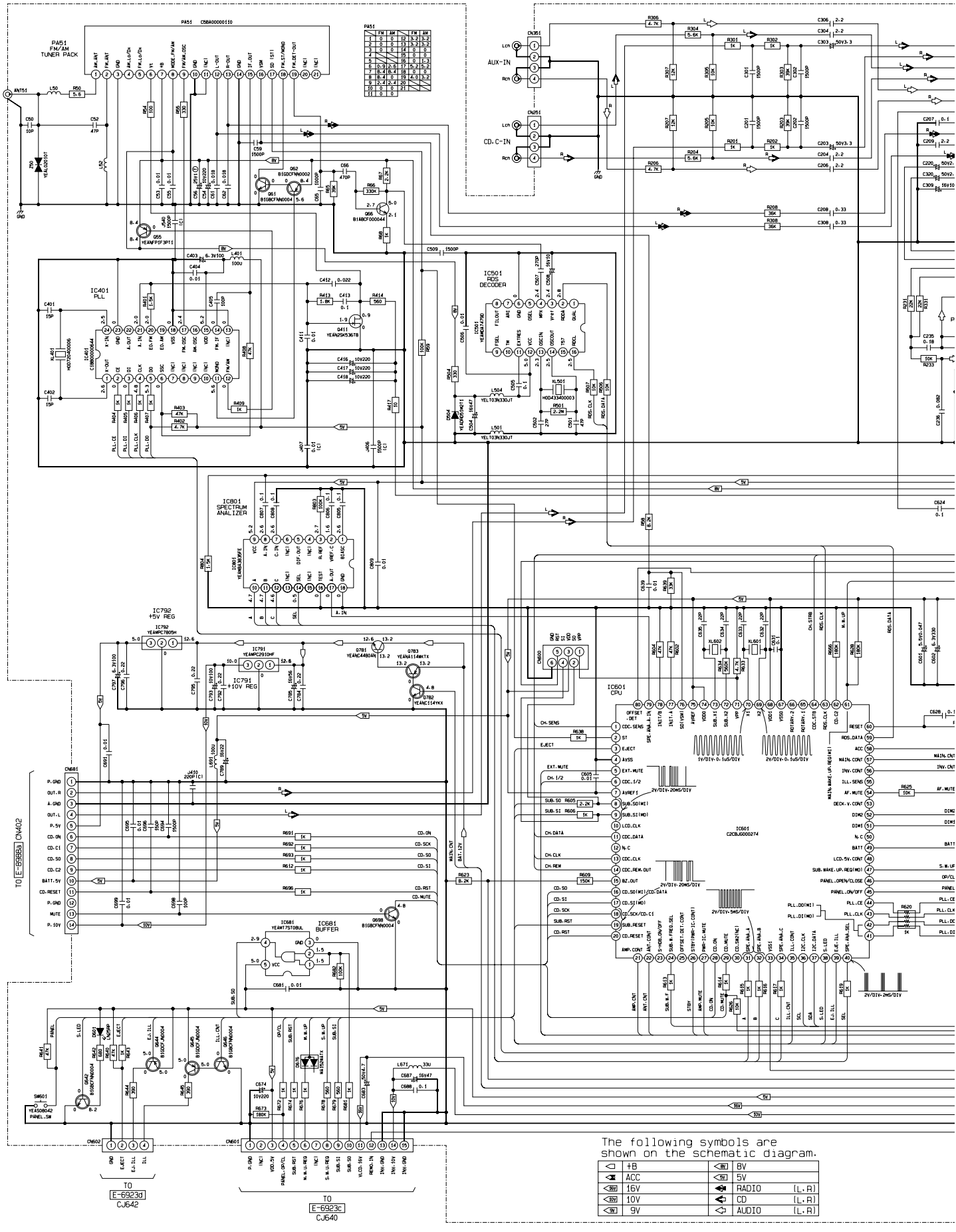


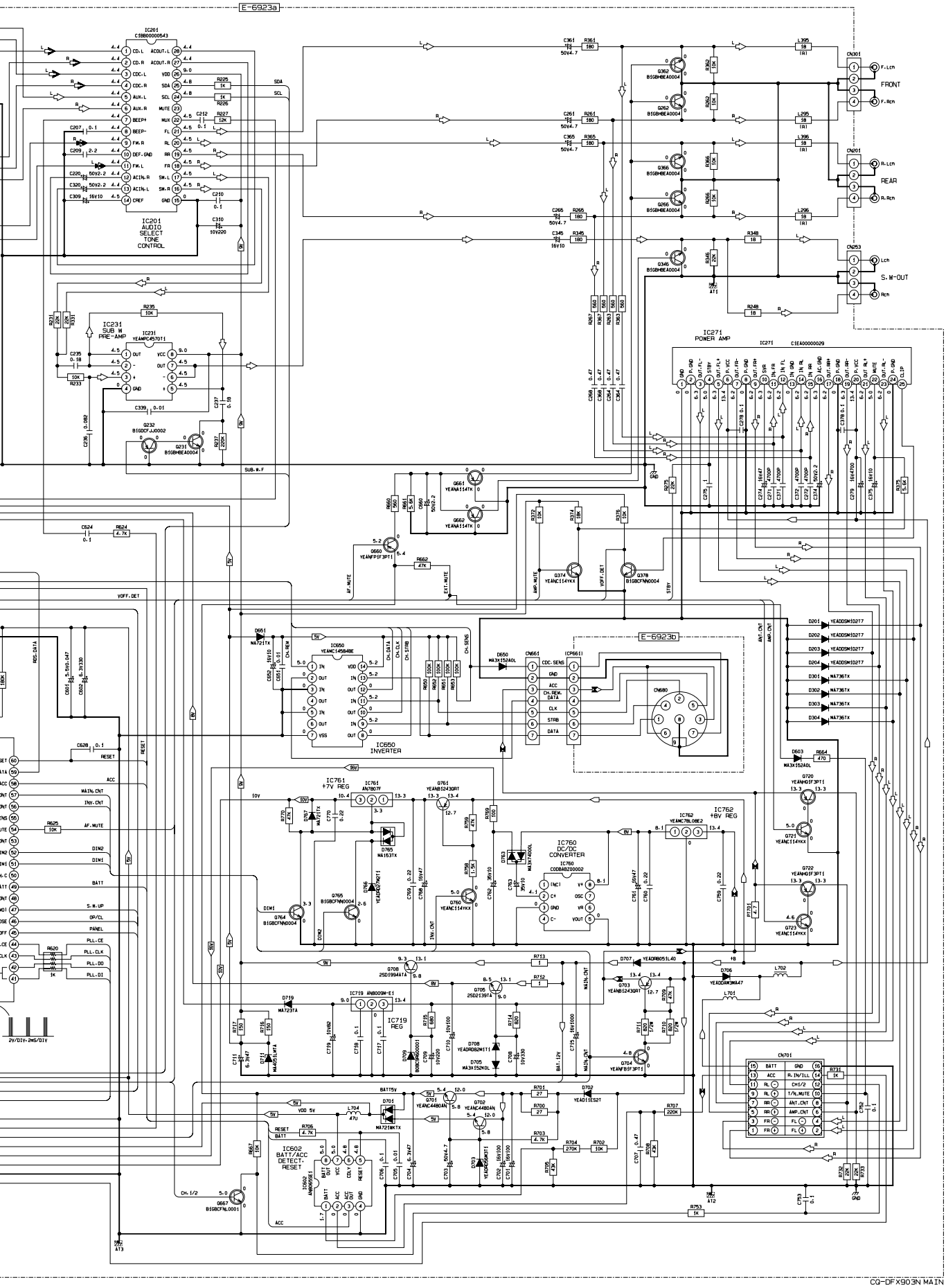


CQ-DFX903N CD DECK (NCD8)

Printed in Japan (K) 2003. 2 (Recycled Paper)

21.2. Main Block [CQ-DFX903N]




E-6923a
IC201
AUDIO SELECT TONE CONTROL
IC231
SUB W PRE-AMP
IC271
POWER AMP
FRONT
REAR
S.W-OUT
E-6923b
IC650
INVERTER
IC761
+7V REG
IC762
+8V REG
IC760
DC/DC CONVERTER
IC719
REG
IC602
BATT/ACC DETECT. RESET
CQ-DFX903N MAIN

21.4. CD Servo Block [CQ-DFX983N]